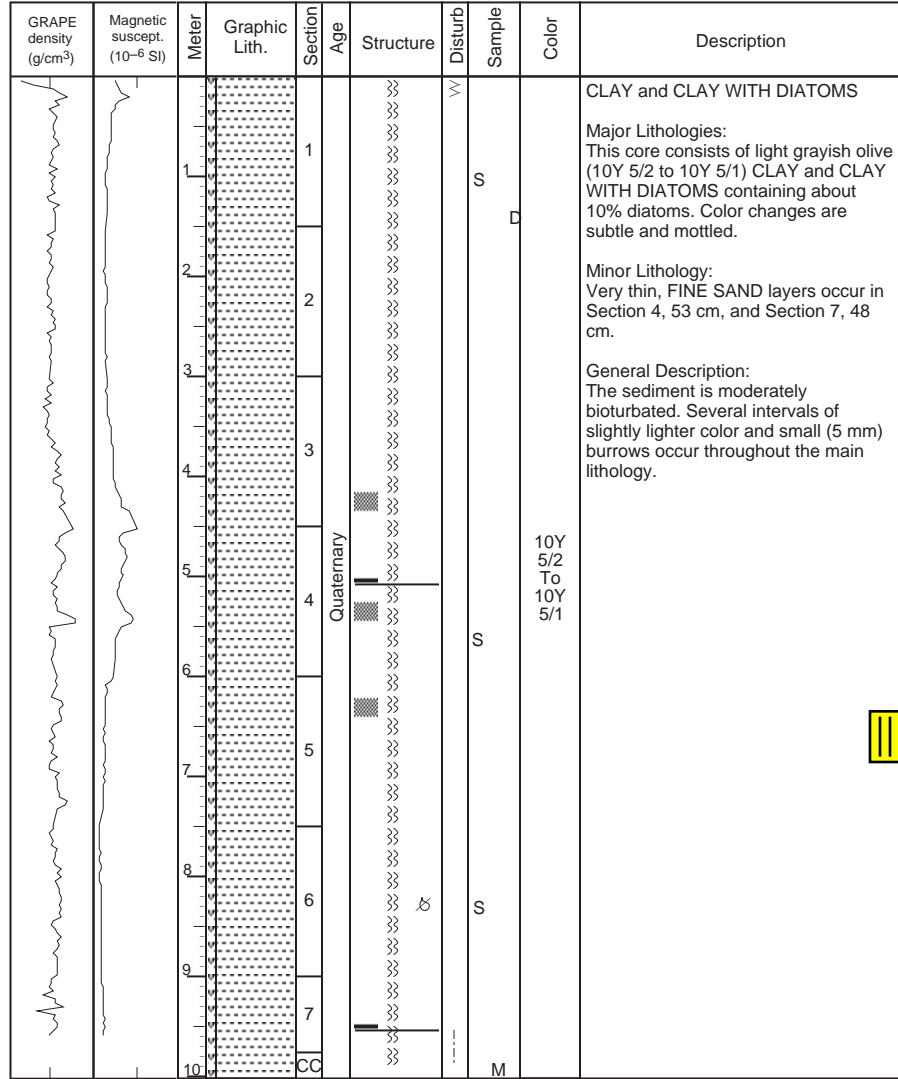


SITE 1020 HOLE A CORE 1H CORED 0.0 - 10.0 mbsf



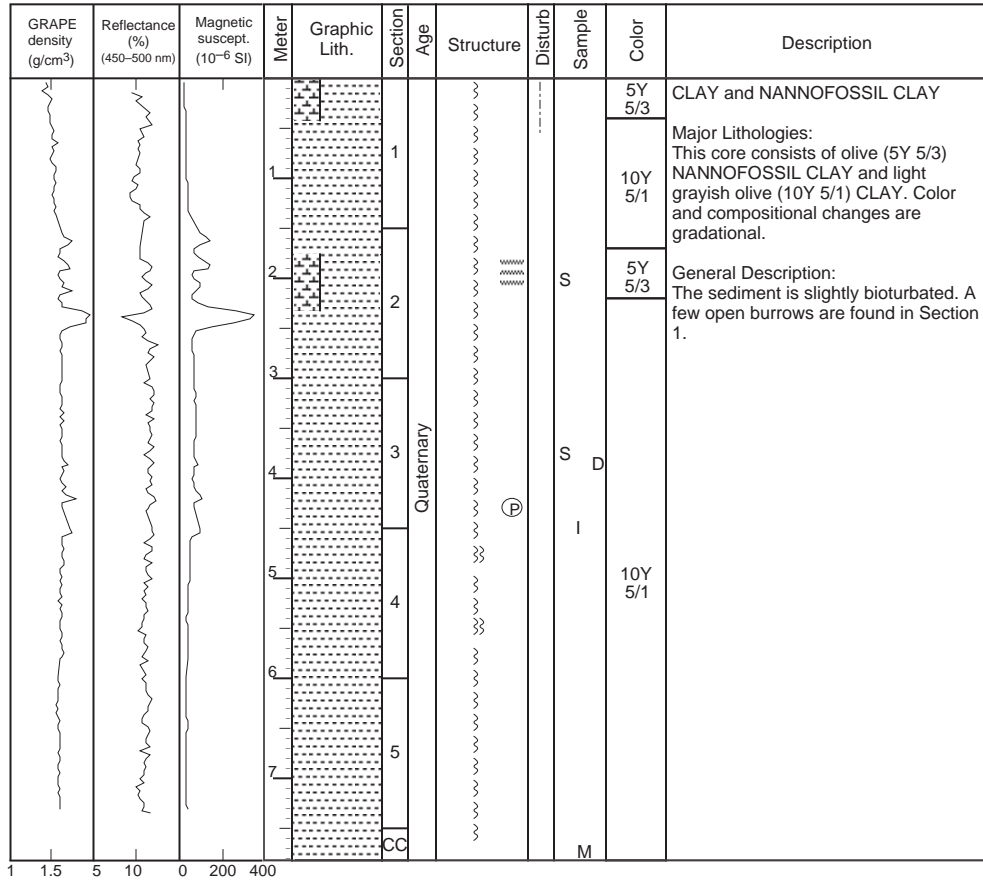
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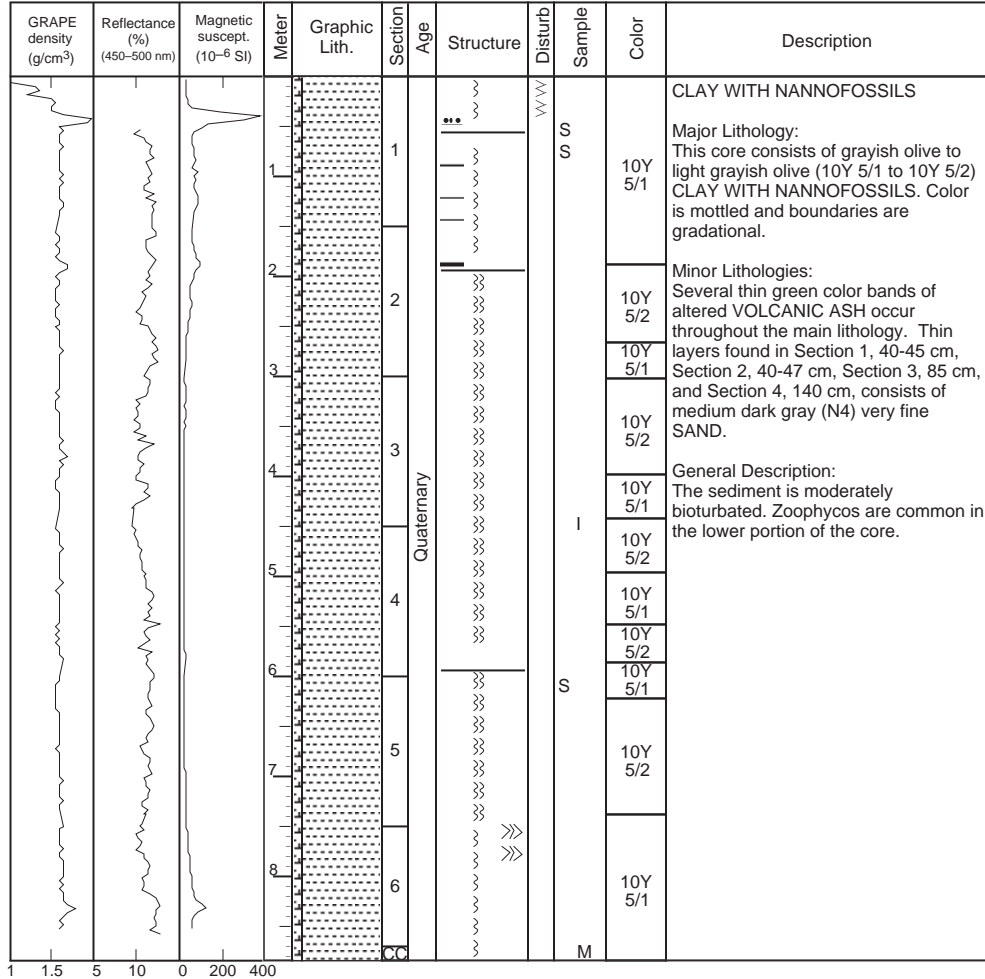
SITE 1020 HOLE B CORE 1H

CORED 0.0 - 7.8 mbsf

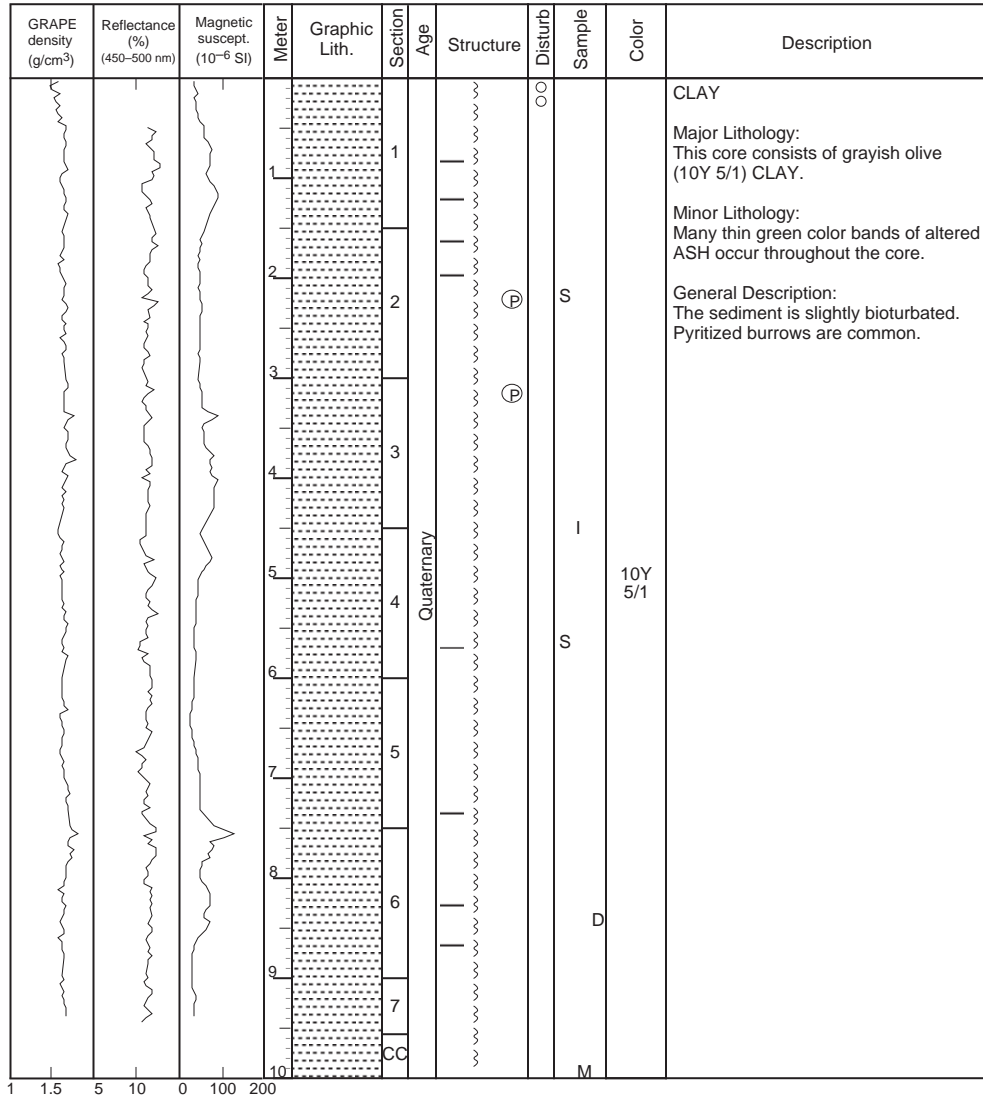


SITE 1020 HOLE B CORE 2H

CORED 7.8 - 17.3 mbsf

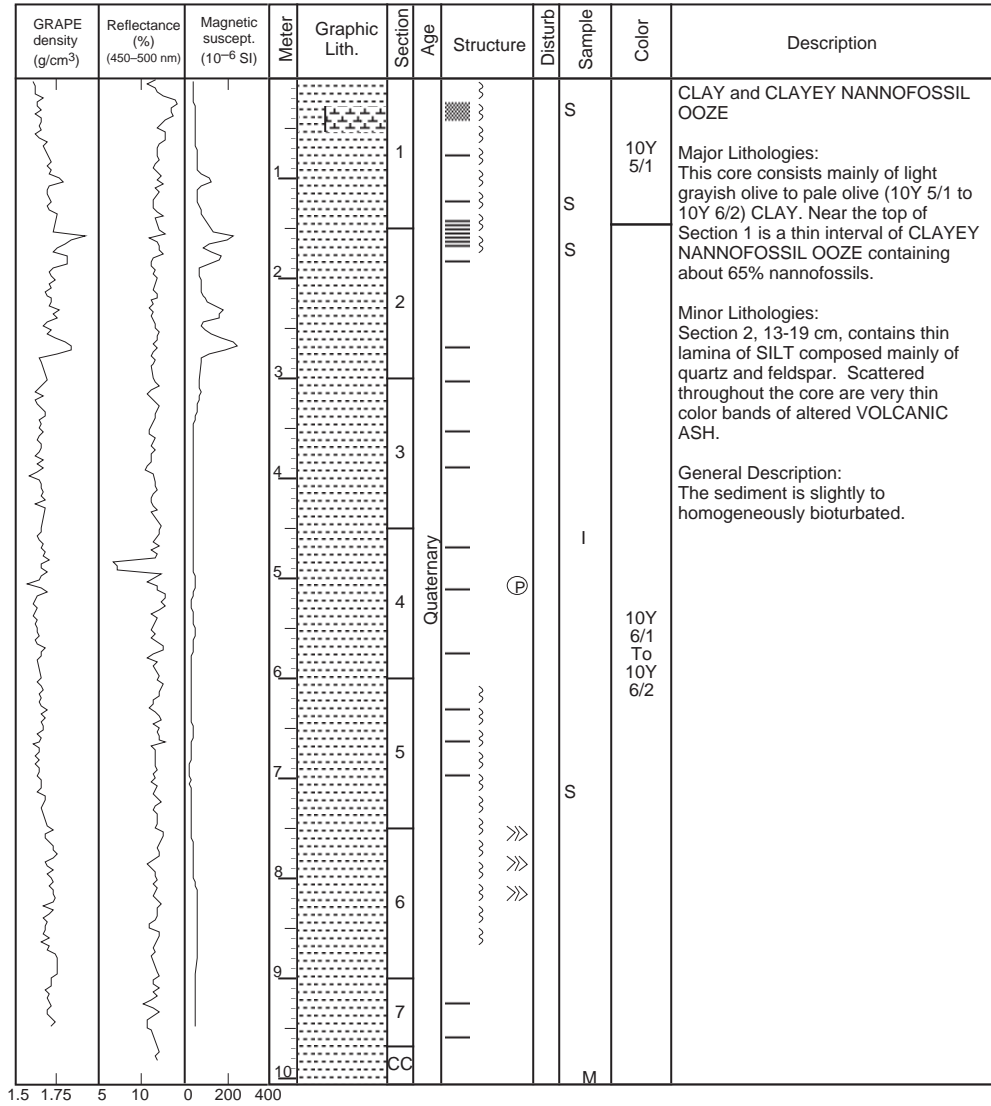


SITE 1020 HOLE B CORE 3H CORED 17.3 - 26.8 mbsf



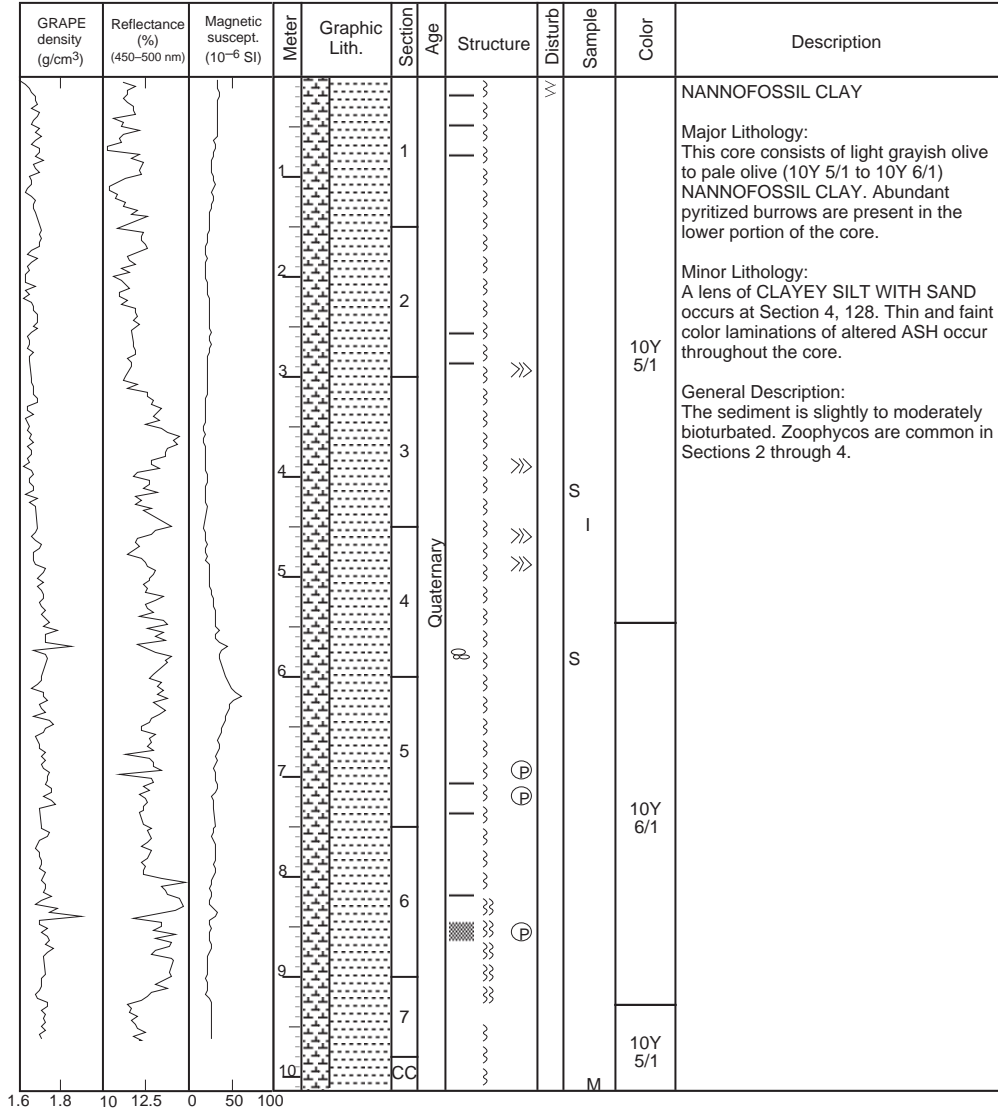
SITE 1020 HOLE B CORE 4H

CORED 26.8 - 36.3 mbsf



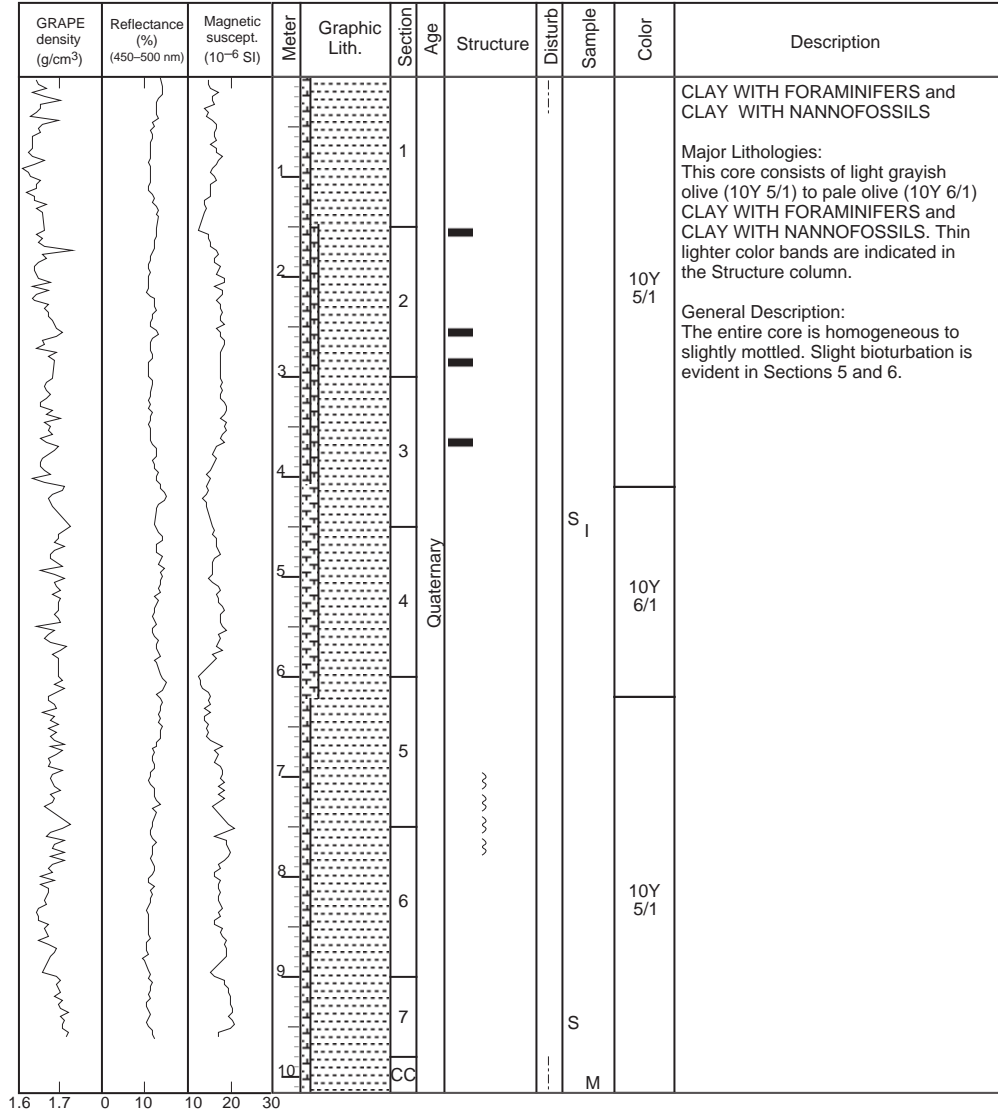
1.5 1.75 5 10 0 200 400

SITE 1020 HOLE B CORE 5H CORED 36.3 - 45.8 mbsf

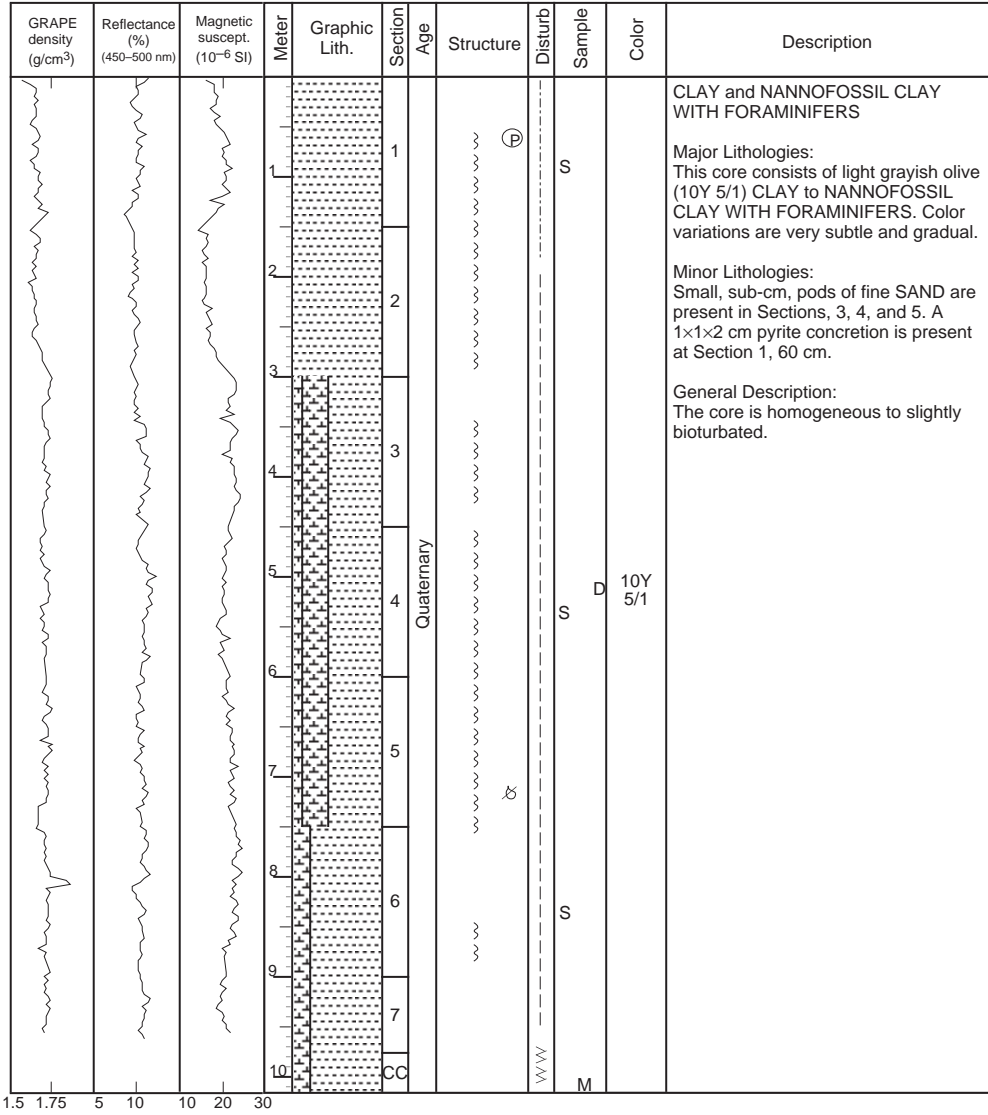


SITE 1020 HOLE B CORE 6H

CORED 45.8 - 55.3 mbsf

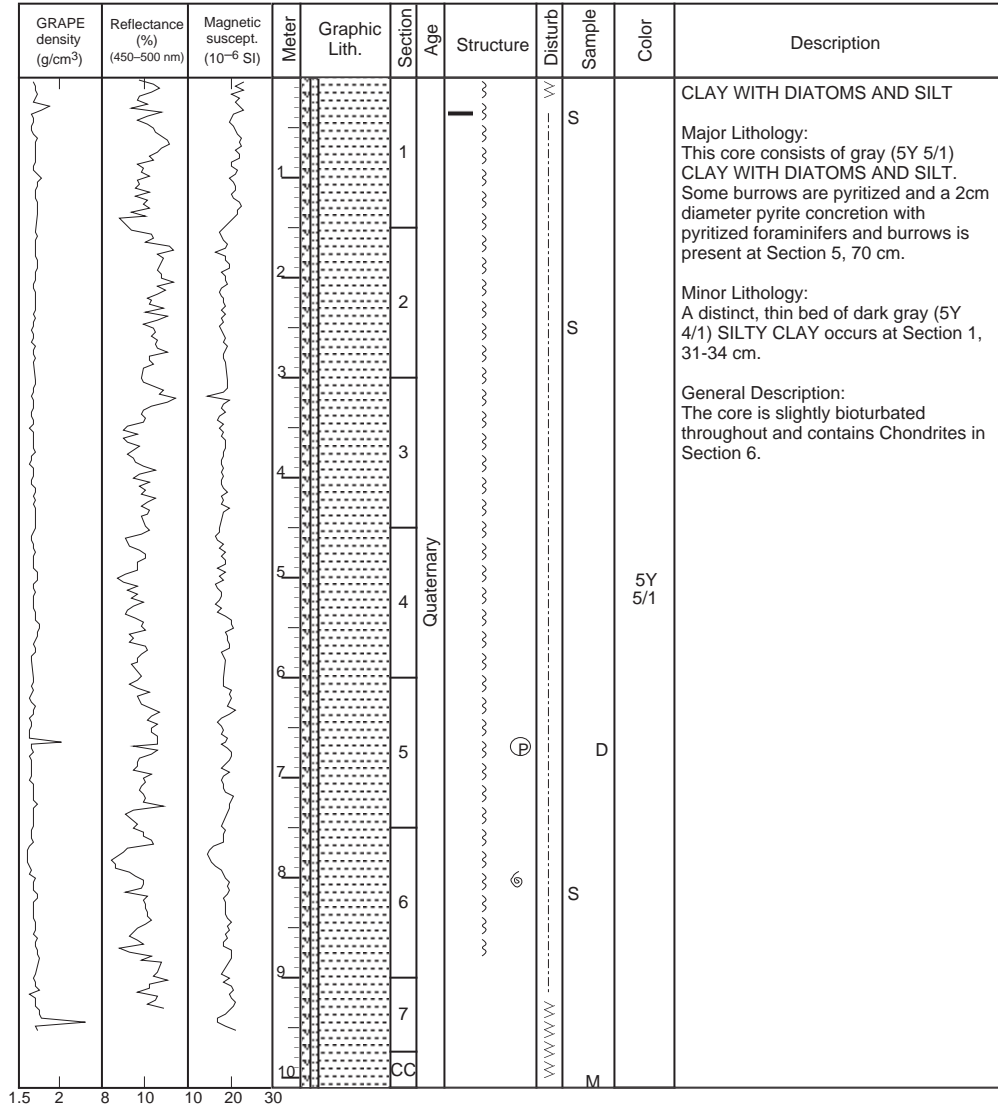


SITE 1020 HOLE B CORE 7H CORED 55.3 - 64.8 mbsf

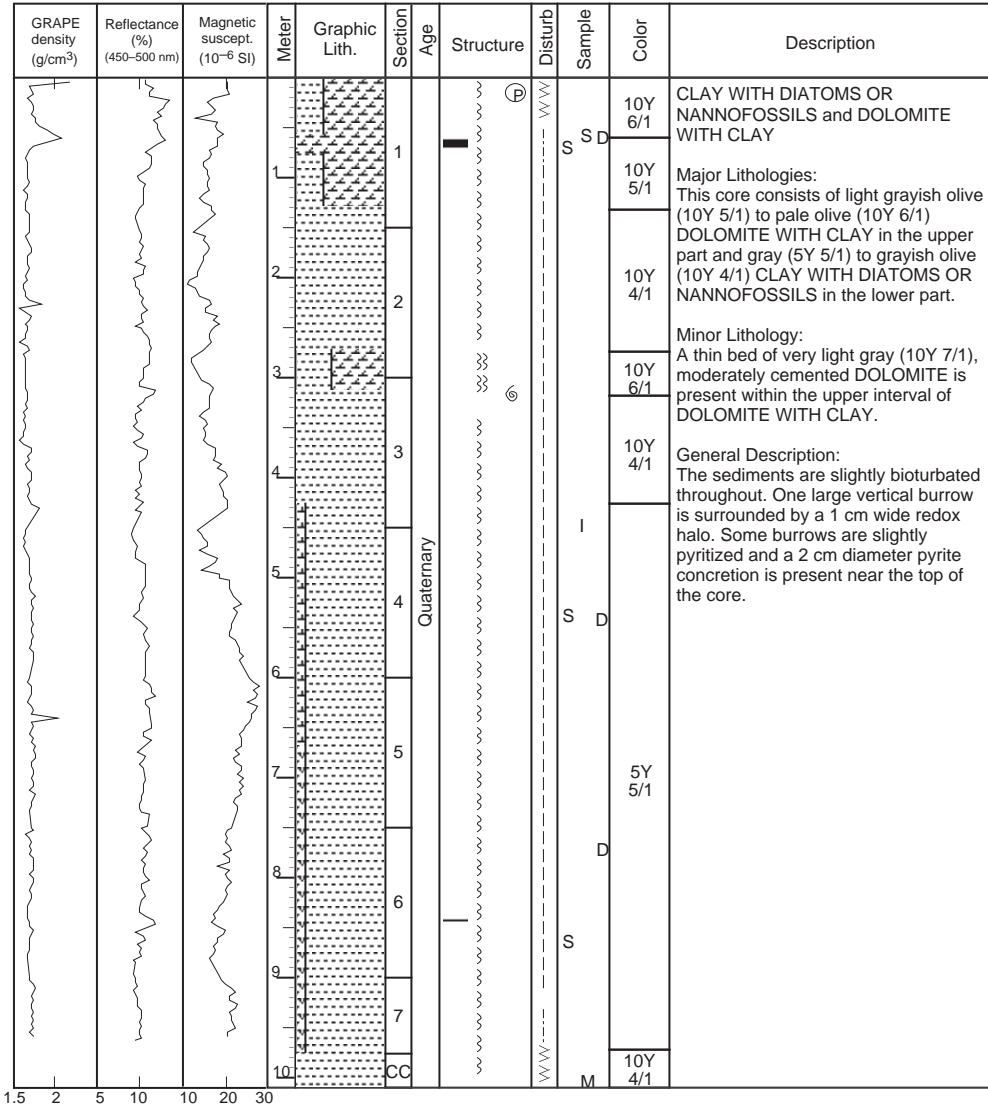


SITE 1020 HOLE B CORE 8H

CORED 64.8 - 74.3 mbsf

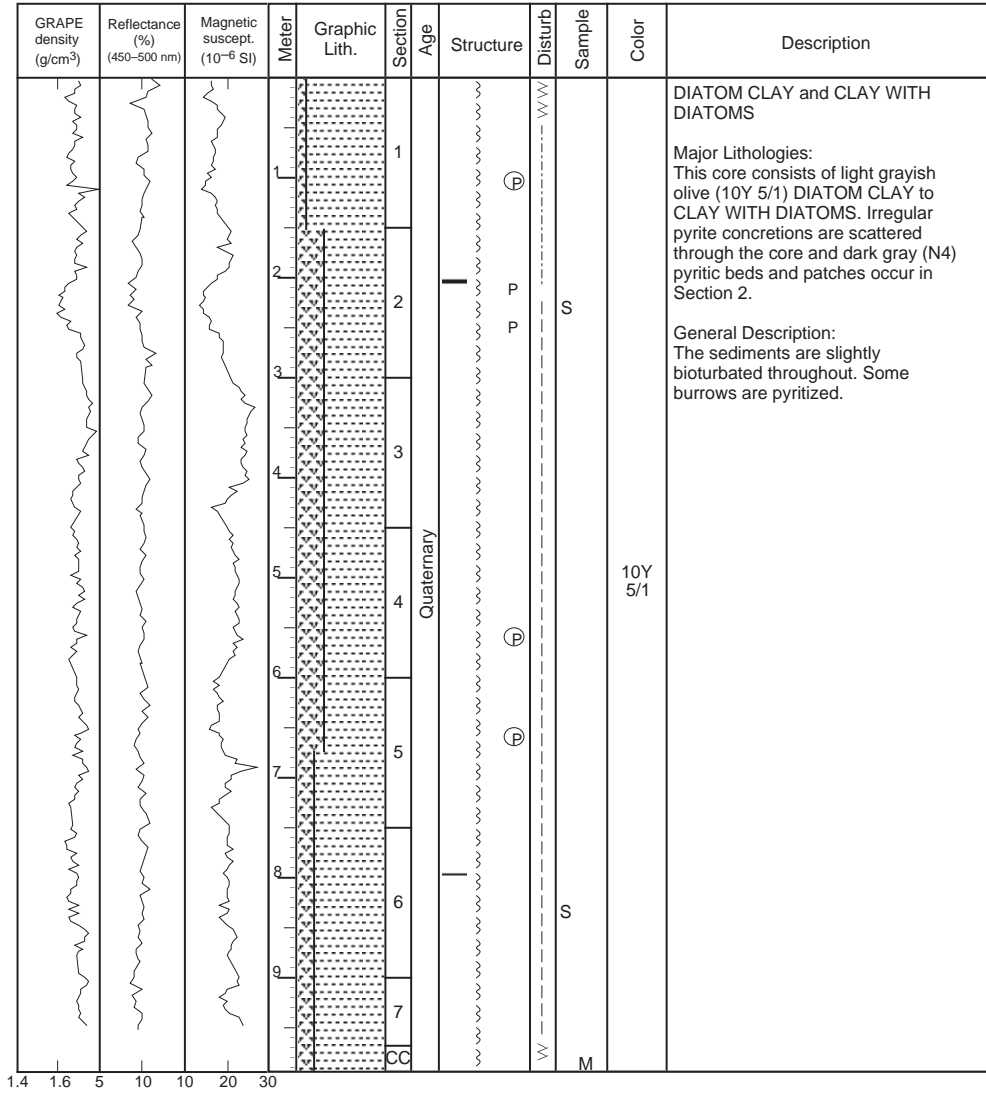


SITE 1020 HOLE B CORE 9H CORED 74.3 - 83.8 mbsf

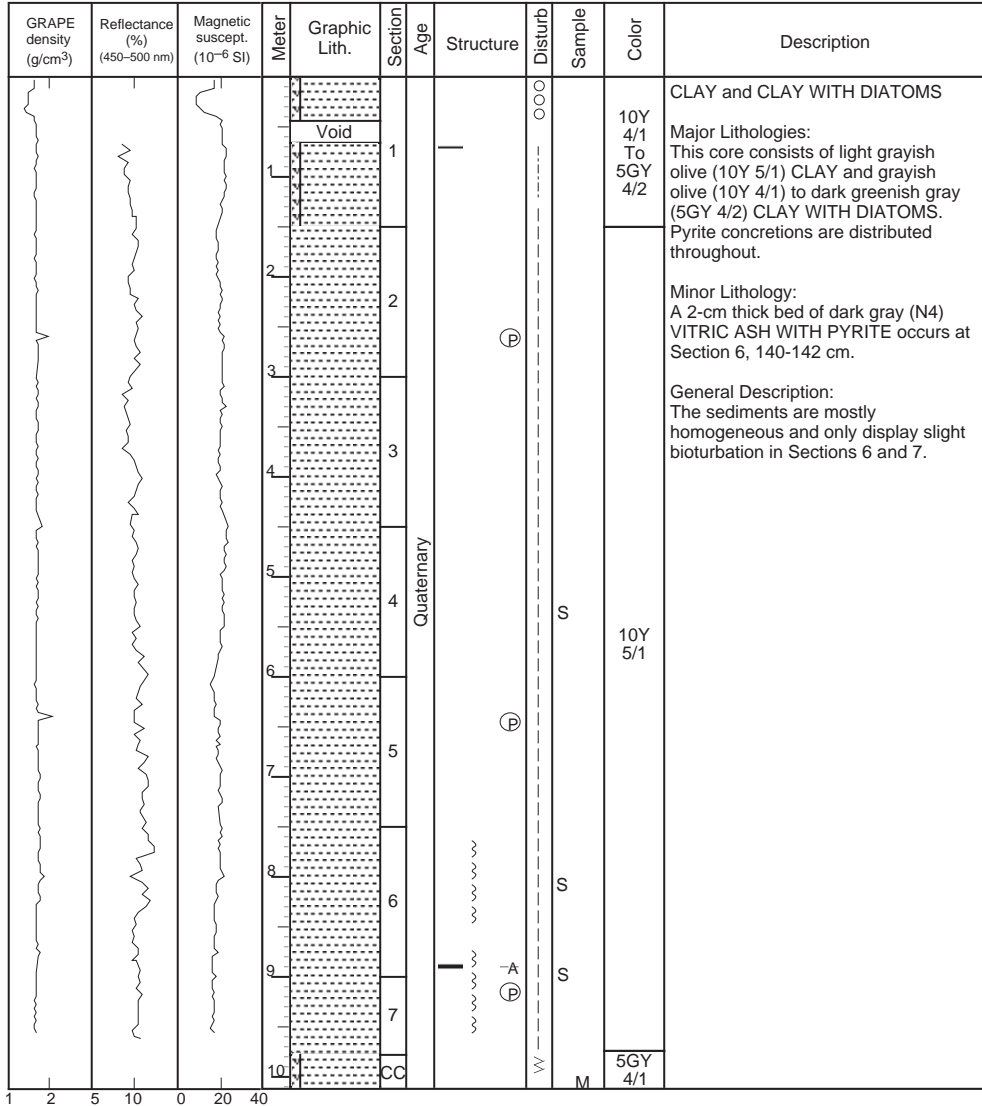


SITE 1020 HOLE B CORE 10H

CORED 83.8 - 93.3 mbsf



SITE 1020 HOLE B CORE 11H CORED 93.3 - 102.8 mbsf



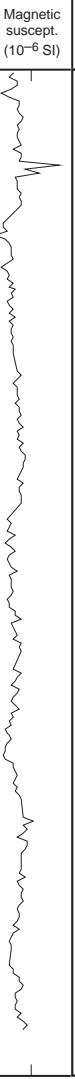
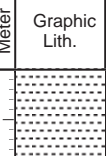
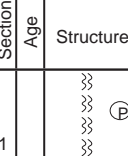
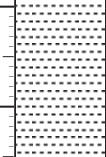
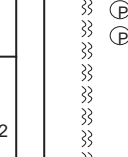
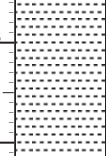
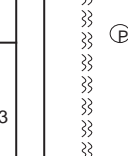
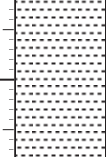
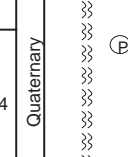
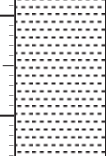
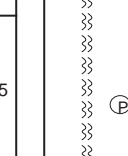
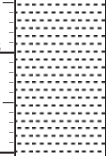
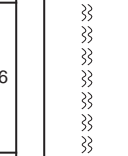
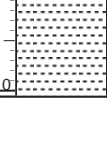
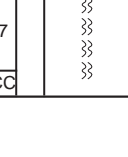






SITE 1020 HOLE B CORE 12H

CORED 102.8 - 112.3 mbsf

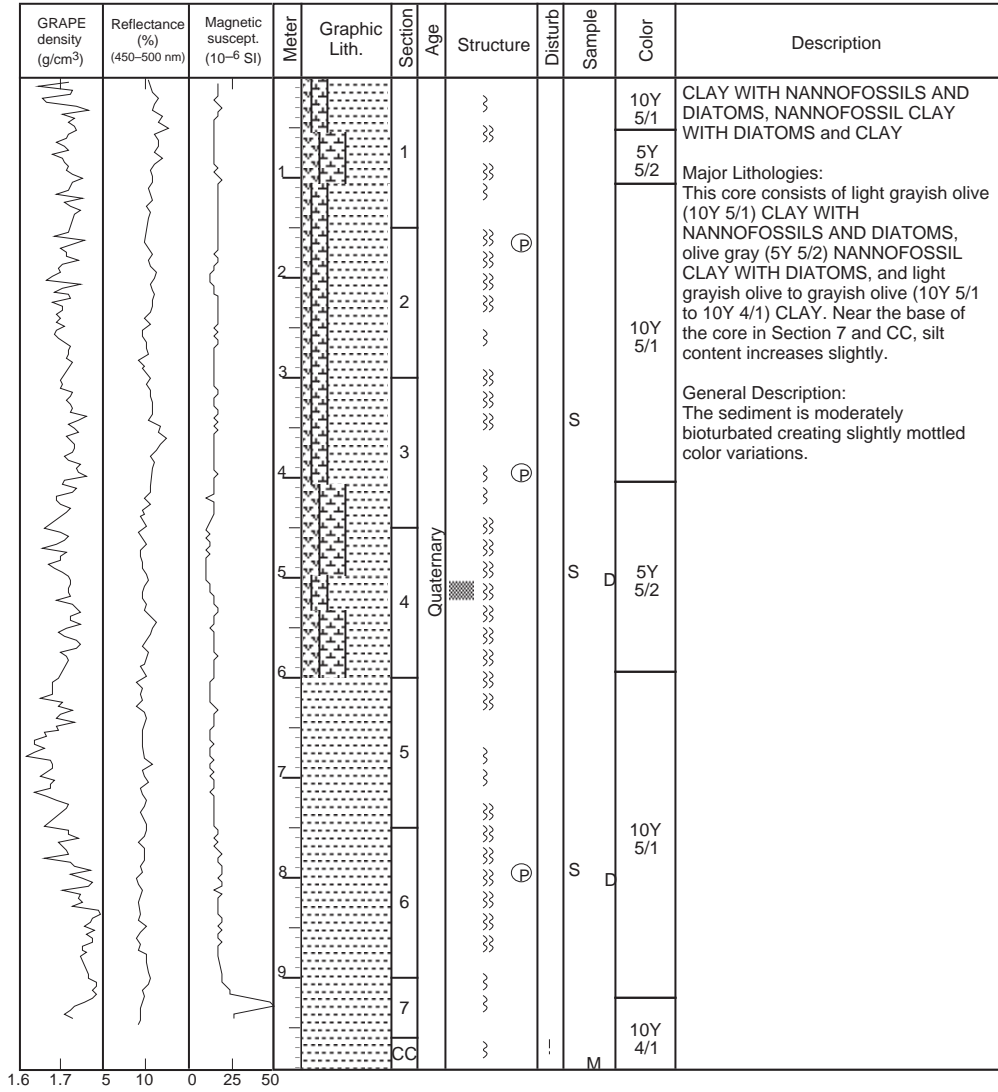
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1		}}	Ⓟ			<p>CLAY</p> <p>Major Lithology: This core consists of light grayish olive to pale olive (10Y 5/1 to 10Y 6/1) CLAY. Color is mottled and boundaries are gradational. The slightly lighter color values (10Y 6/1) reflect a small increase in nannofossil content to about 5%.</p> <p>General Description: The sediment is moderately bioturbated. Zoophycos are common.</p>
			2		2		}}	Ⓟ		10Y 5/1	
			3		3		}}				
			4		3		}}			10Y 6/1	
			5		4	Quaternary	}}		S		
			6		4		}}		I		
			7		5		}}				
			8		5		}}			10Y 5/1	
			9		6		}}		S		
			CC		7		}}				
					CC		}}		M		

SITE 1020 HOLE B CORE 13H CORED 112.3 - 121.8 mbsf

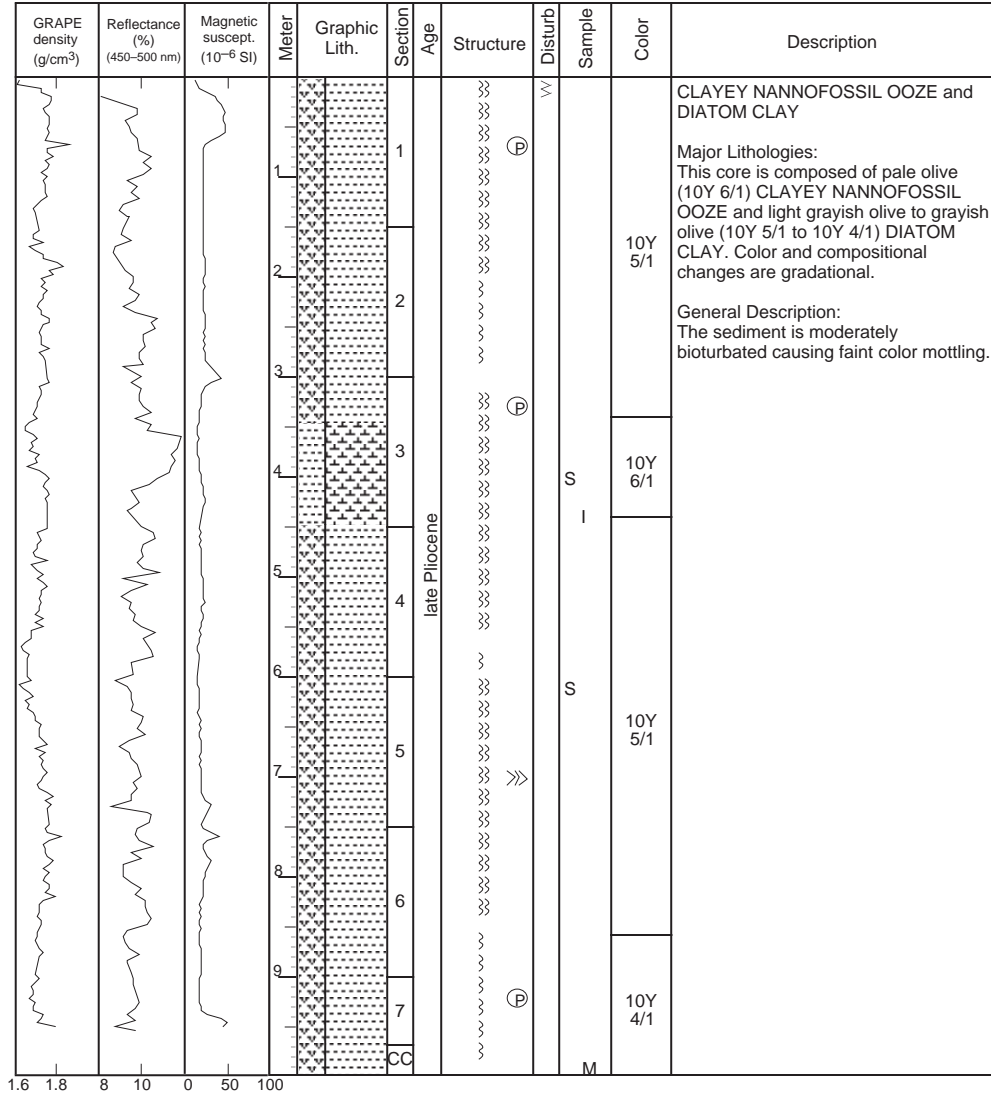
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1						<p>CLAY</p> <p>Major Lithology: This core consists of light grayish olive (10Y 5/1) CLAY. Color is slightly but uniformly mottled throughout. Pyritized burrows and pyrite concretions are common.</p> <p>General Description: The sediment is moderately bioturbated.</p>
			2		2						
			3		3			S			
			4		3						
			5		4	Quaternary				10Y 5/1	
			6		4						
			7		5						
			8		6						
			9		7						
			10		7			S			
					CC				M		

SITE 1020 HOLE B CORE 14H

CORED 121.8 - 131.3 mbsf

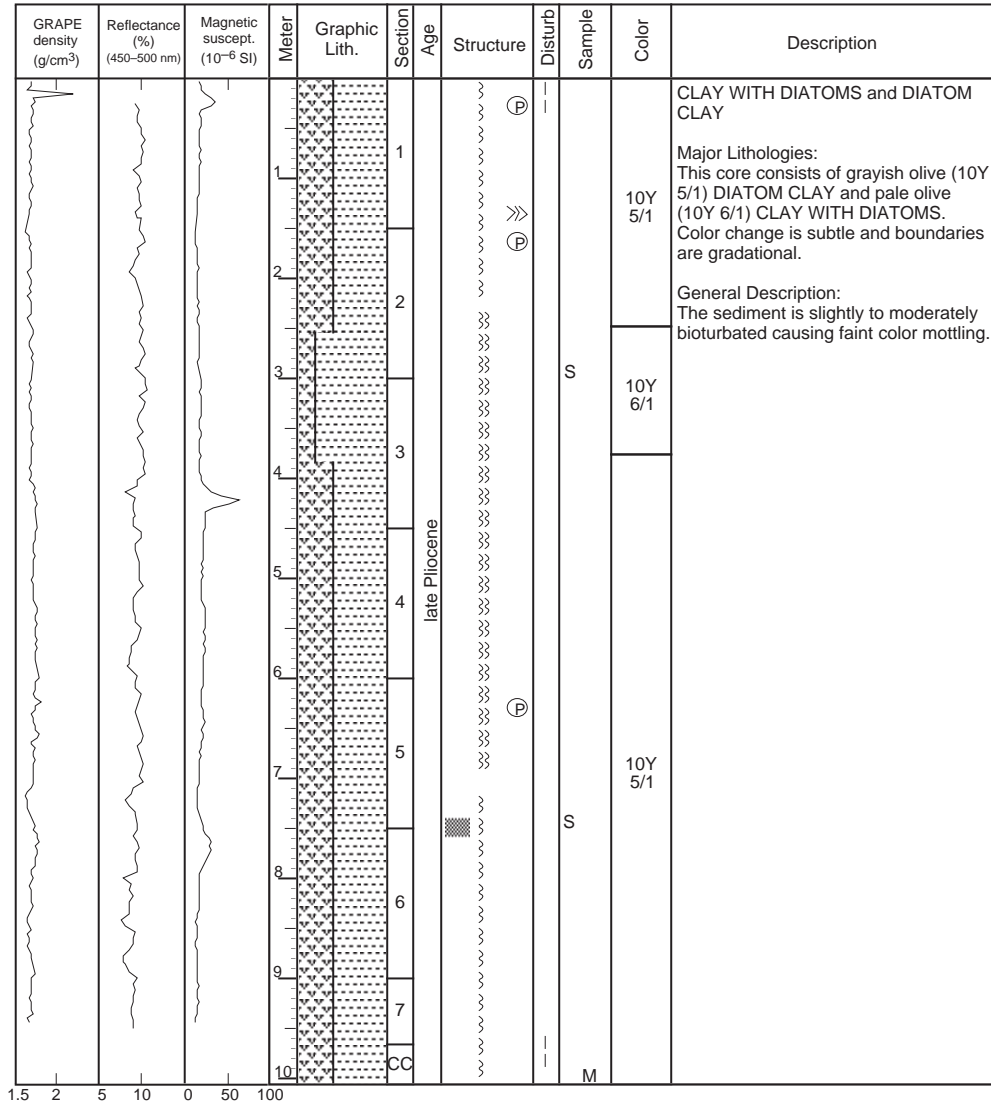


SITE 1020 HOLE B CORE 15H CORED 131.3 - 140.8 mbsf

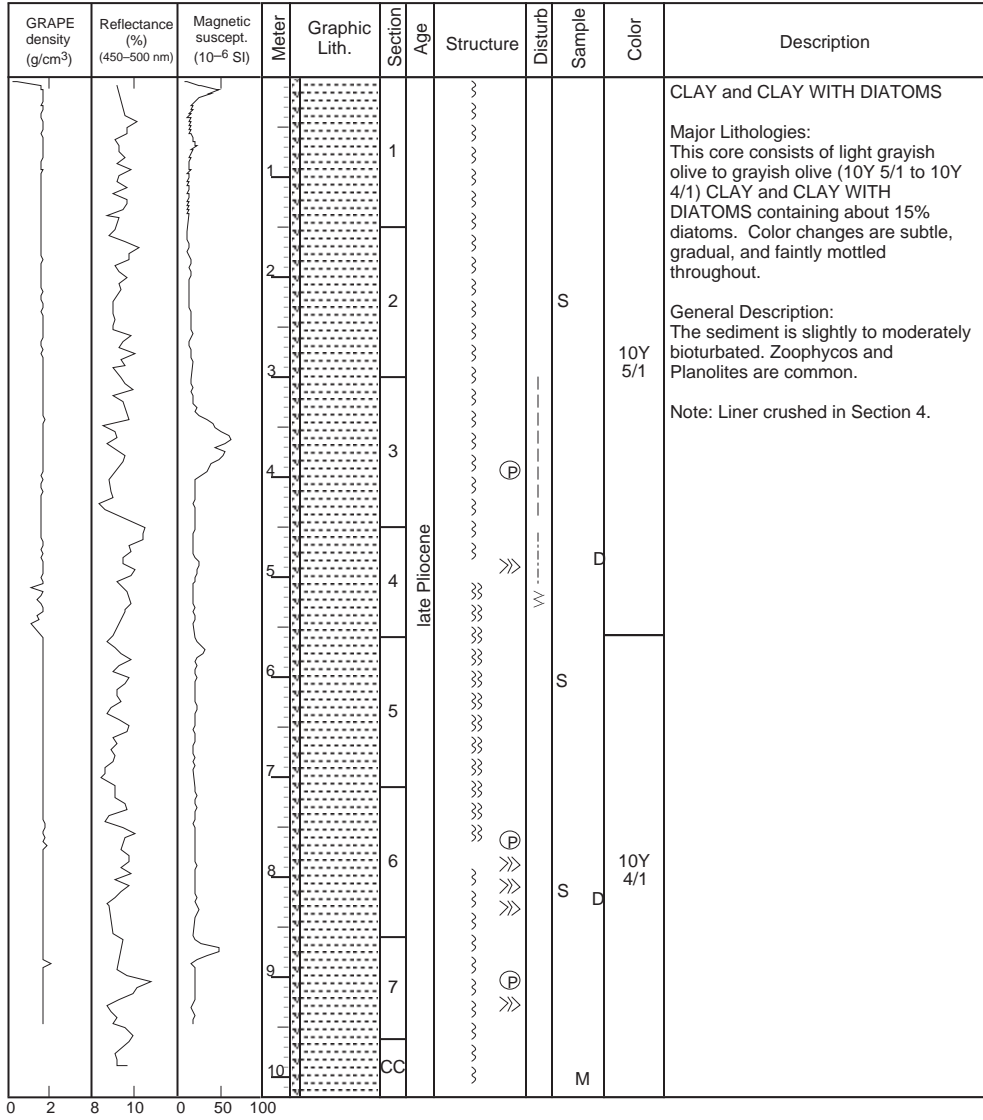


SITE 1020 HOLE B CORE 16H

CORED 140.8 - 150.3 mbsf



SITE 1020 HOLE B CORE 17H CORED 150.3 - 159.8 mbsf

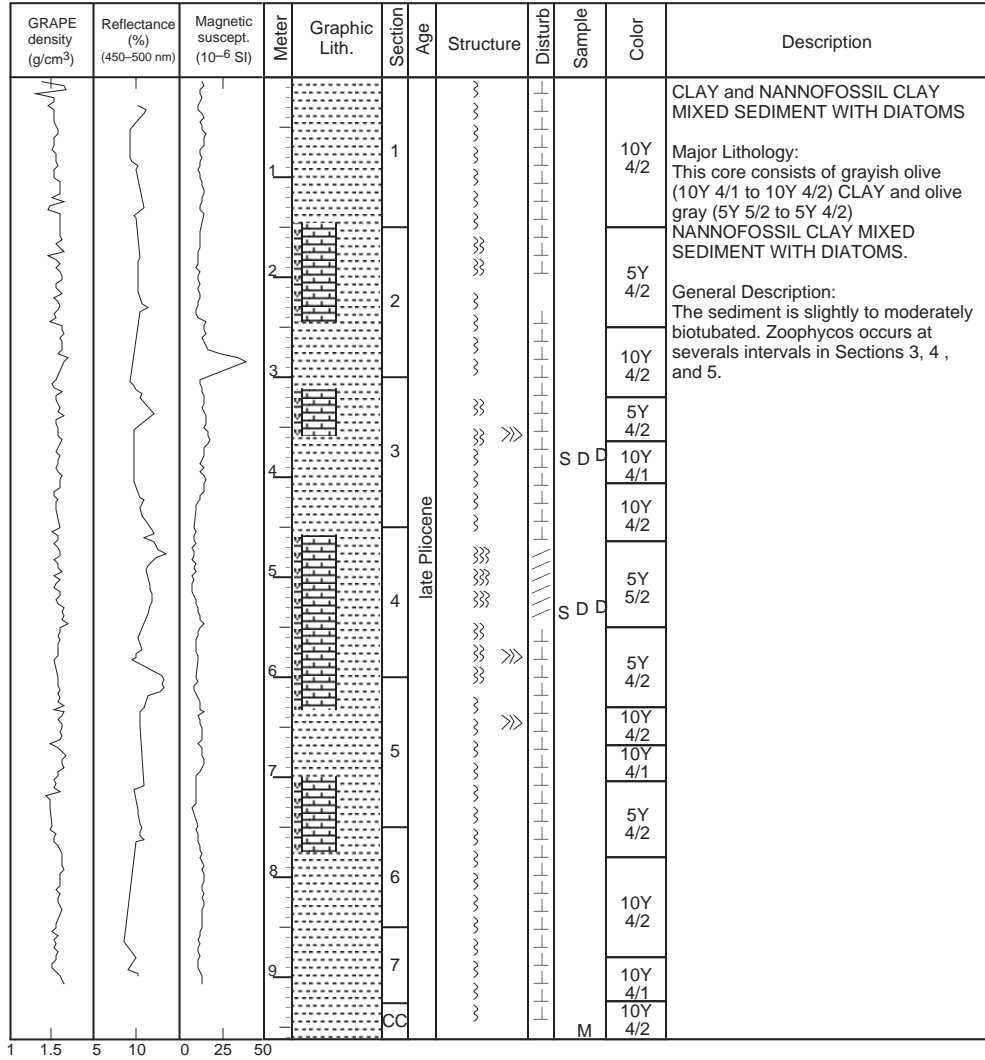


SITE 1020 HOLE B CORE 18H

CORED 159.8 - 169.3 mbsf





GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	1.5	8	10	0	25	50					<p>CLAY and DIATOM CLAY</p> <p>Major Lithologies: This core consists of grayish olive to light grayish olive (10Y 4/1 to 10Y 5/1) CLAY. Diatoms are also present in amounts varying between 5% to 25%. Color and composition changes gradually.</p> <p>General Description: The sediment is moderately to heavily bioturbated. Zoophycos and Planolites are abundant.</p>
			1		1						
			2		2						
			3		3						
			4		4						
			5		4	late Pliocene			I S	10Y 4/1 To 10Y 5/1	
			6		5				D		
			7		5						
			8		6						
			9		7				S		
			10		7						
					CC						
									M		

SITE 1020 HOLE B CORE 19X CORED 169.3 - 178.9 mbsf



SITE 1020 HOLE B CORE 20X

CORED 178.9 - 188.5 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
				1	late Pliocene		XXXXXX	D	10Y 5/1	<p>CLAY</p> <p>Major Lithology: This core consists of grayish olive (10Y 5/1) CLAY.</p> <p>General Description: Note: This entire core consists of drilling breccia. No structural features are discernable and stratigraphy is uncertain.</p>
1	1.5	2	10	20				M		

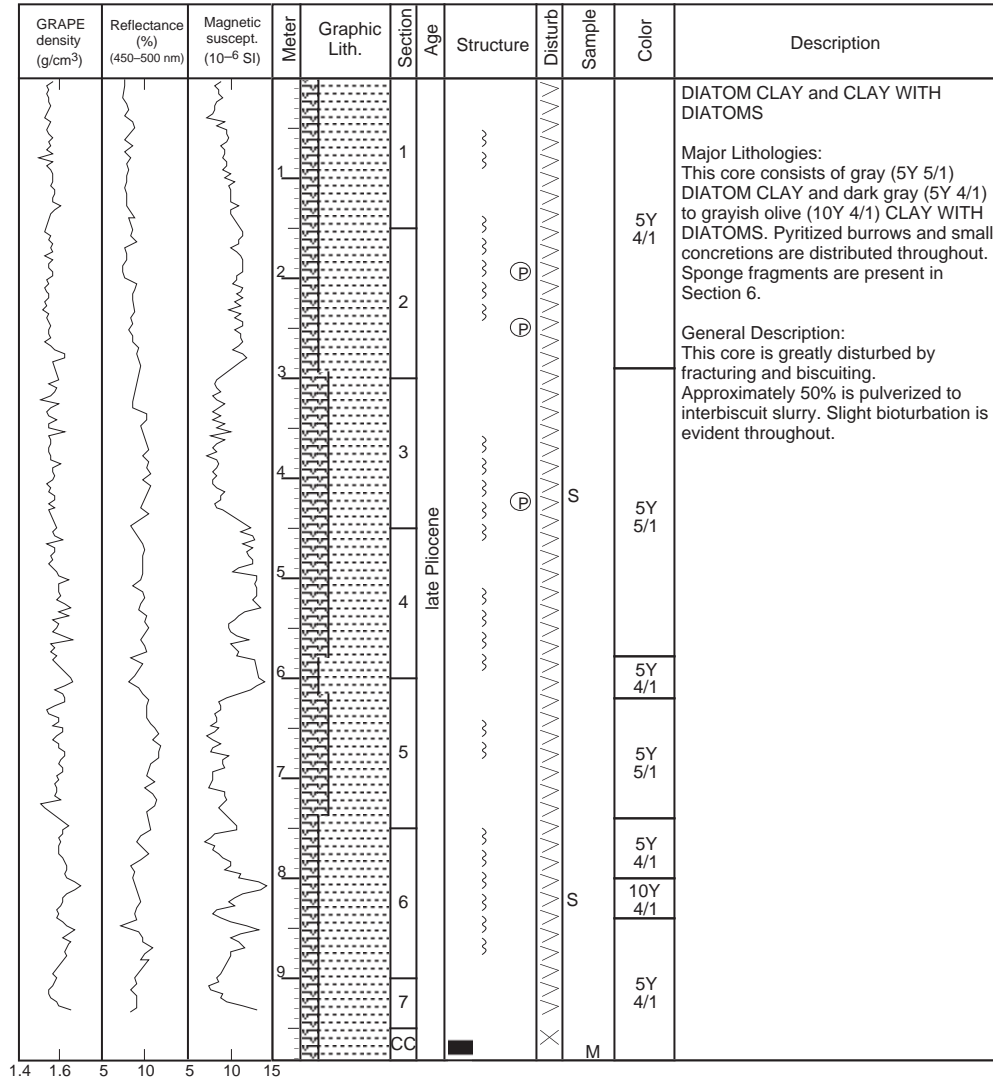


SITE 1020 HOLE B CORE 21X CORED 188.5 - 198.1 mbsf

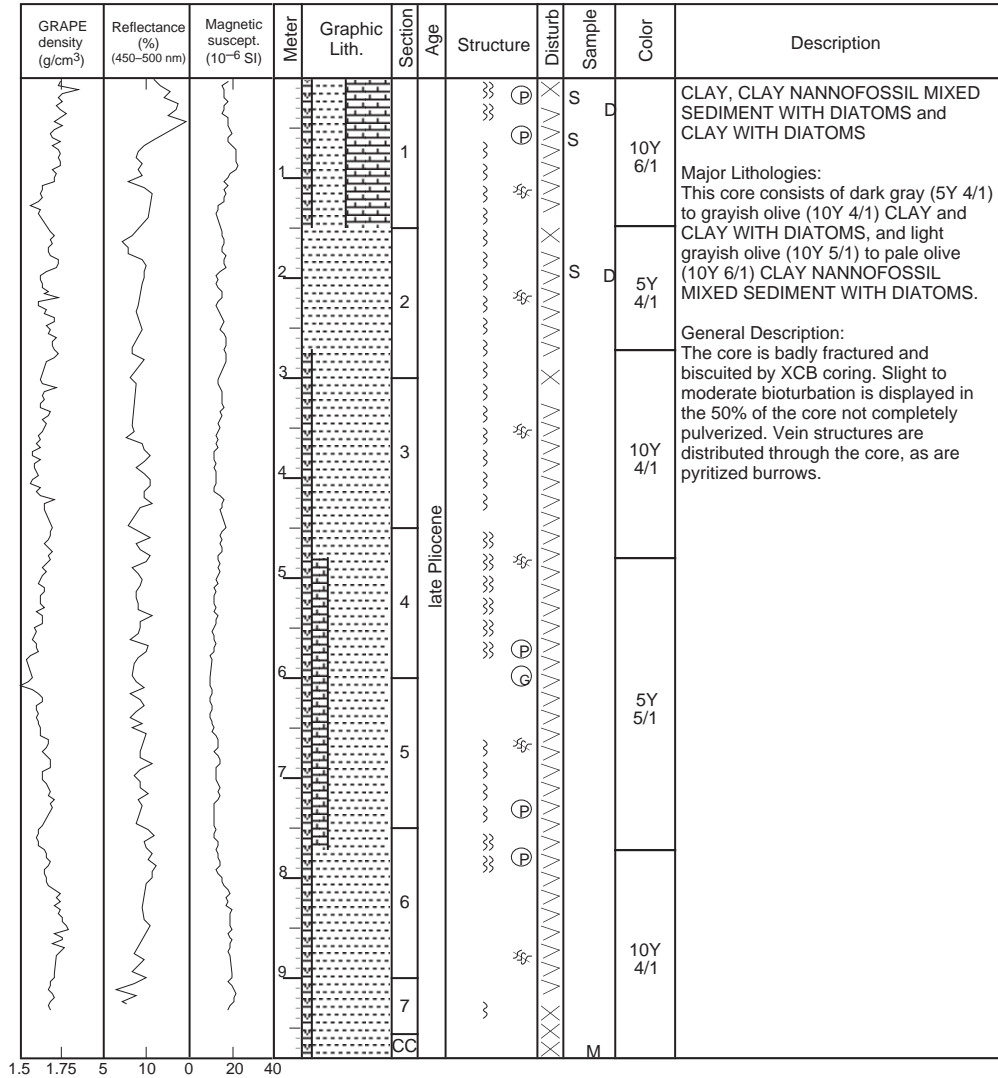
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
			1							<p>CLAY WITH DIATOMS and DIATOM CLAY WITH NANNOFOSSILS</p> <p>Major Lithologies: This core consists of grayish olive (10Y 4/1) CLAY WITH DIATOMS and olive gray (5Y 4/2) DIATOM CLAY WITH NANNOFOSSILS. All lithologies contain ~5% foraminifers.</p> <p>General Description: The core is highly fractured and pervasively biscuitied by XCB coring. ~50% of the core is pulverized interbiscuit slurry. Slight bioturbation and vein structures are displayed on some of the coherent biscuits.</p>
			2					S	10Y 4/1	
			3							
			4							
			5		late Pliocene			I		
			6					S	5Y 4/2	
			7					S	10Y 4/1	
			8						5Y 4/2	
			9						10Y 4/1	
1.5	5	0	20							M

SITE 1020 HOLE B CORE 22X

CORED 198.1 - 207.7 mbsf



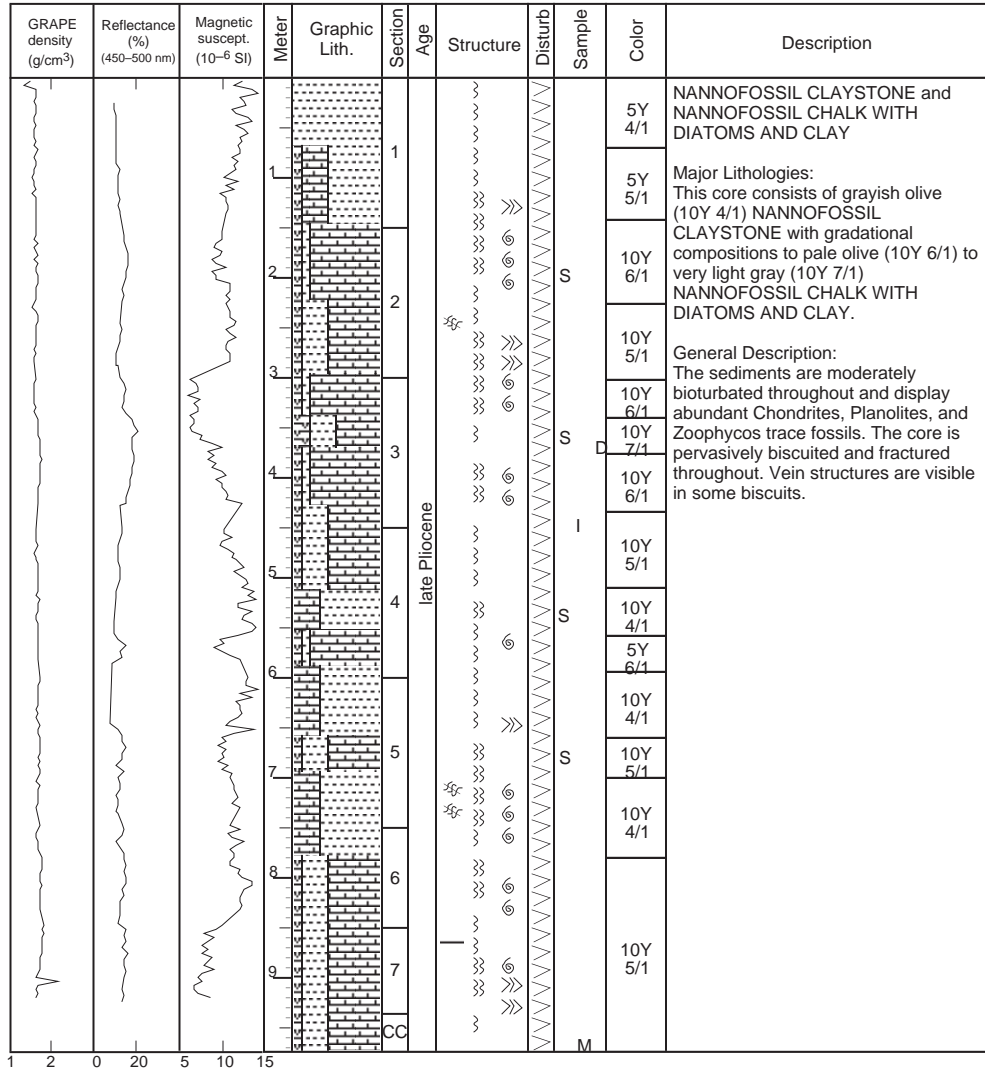
SITE 1020 HOLE B CORE 23X CORED 207.7 - 217.3 mbsf



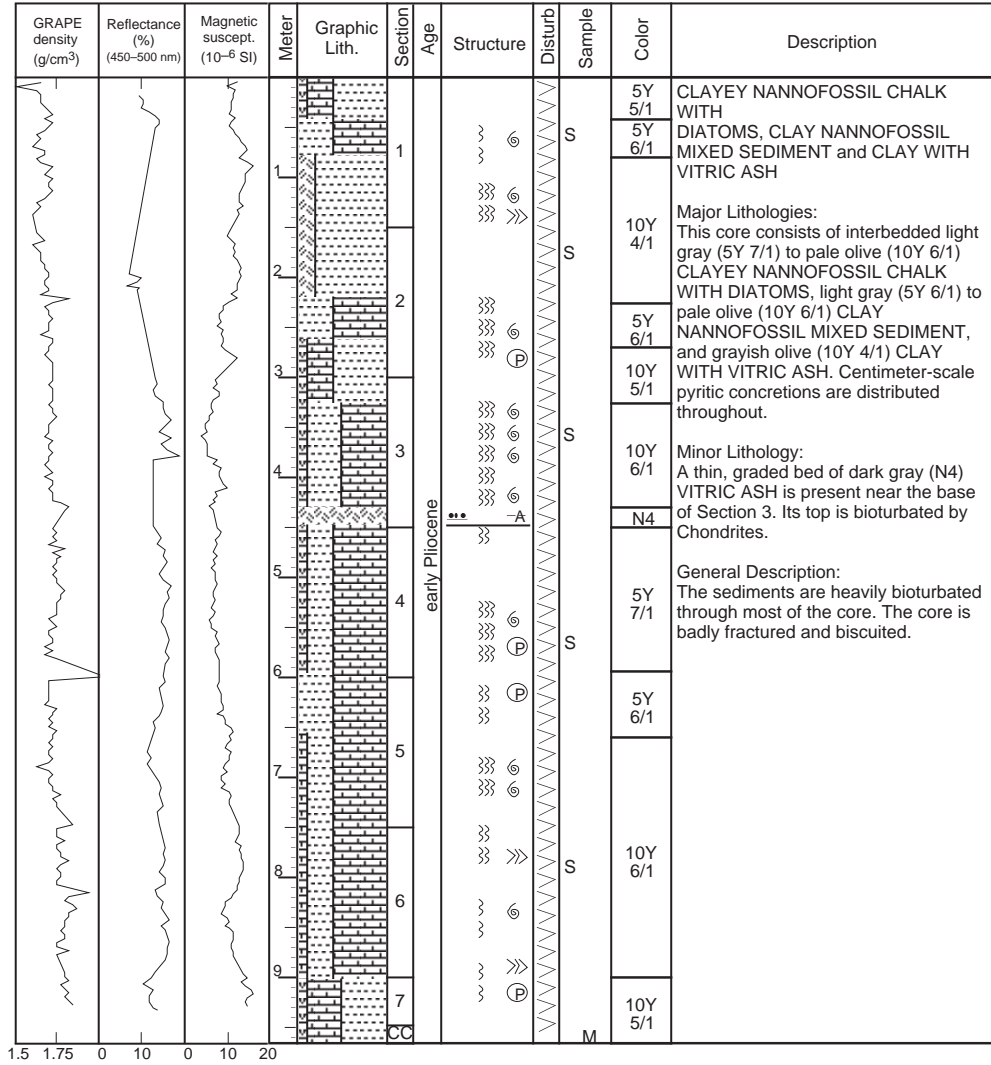
1020B-24X NO RECOVERY

SITE 1020 HOLE B CORE 25X

CORED 227.0 - 236.6 mbsf

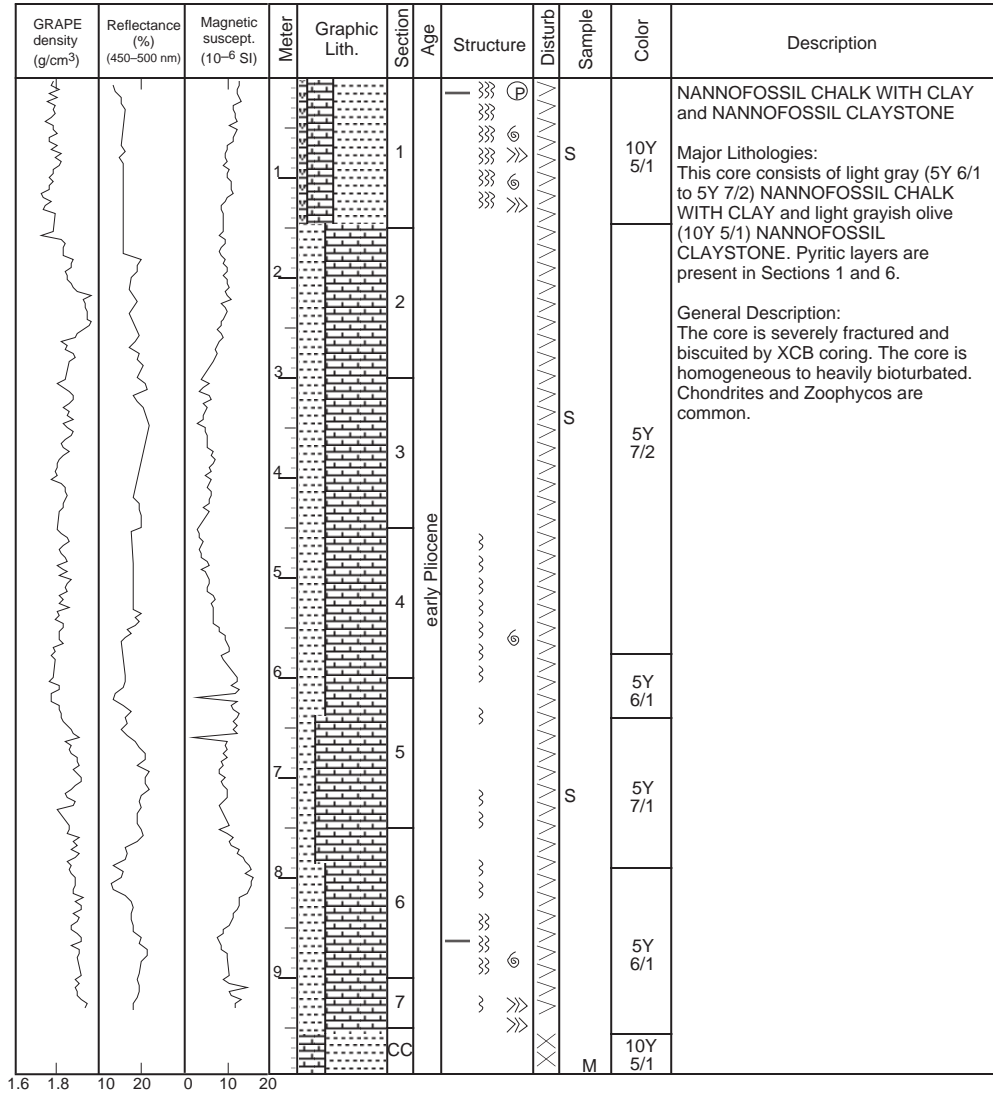


SITE 1020 HOLE B CORE 26X CORED 236.6 - 246.3 mbsf

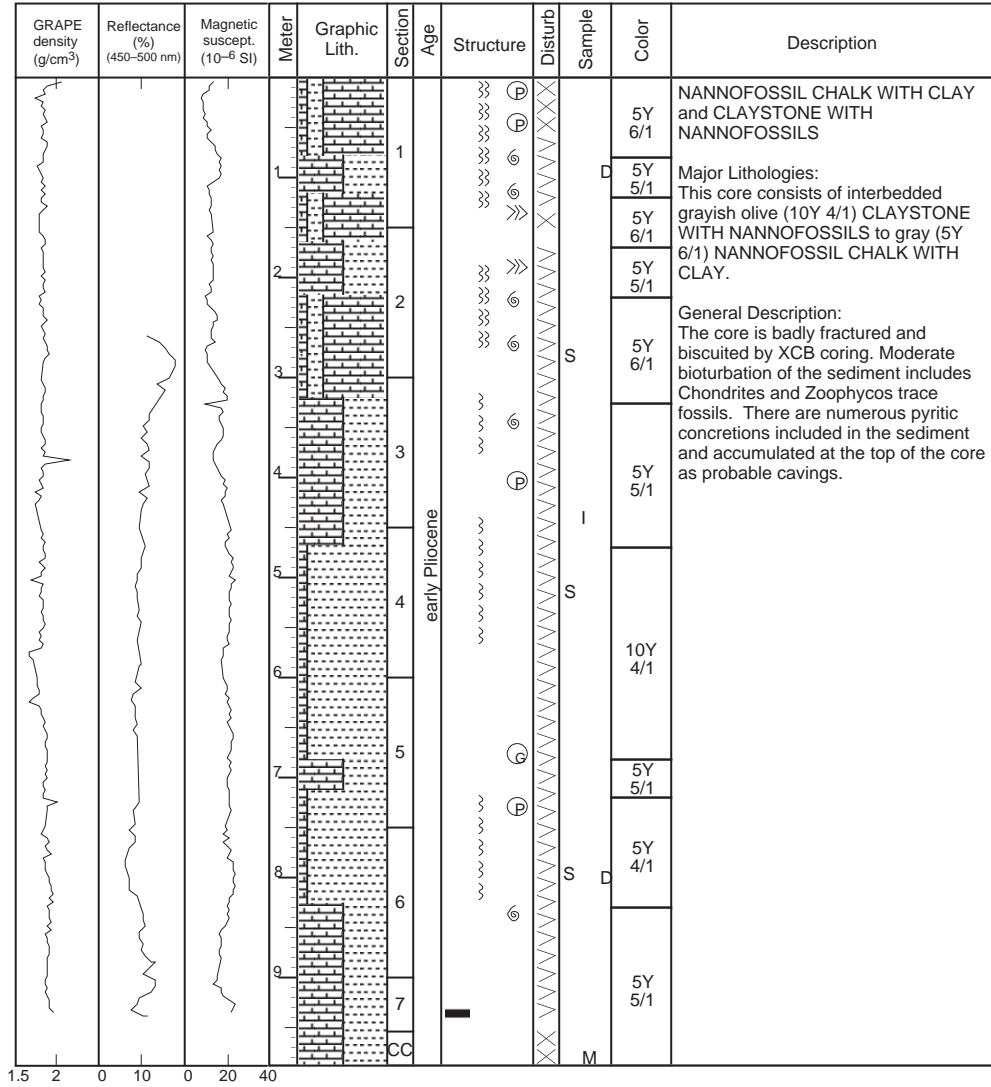


SITE 1020 HOLE B CORE 27X

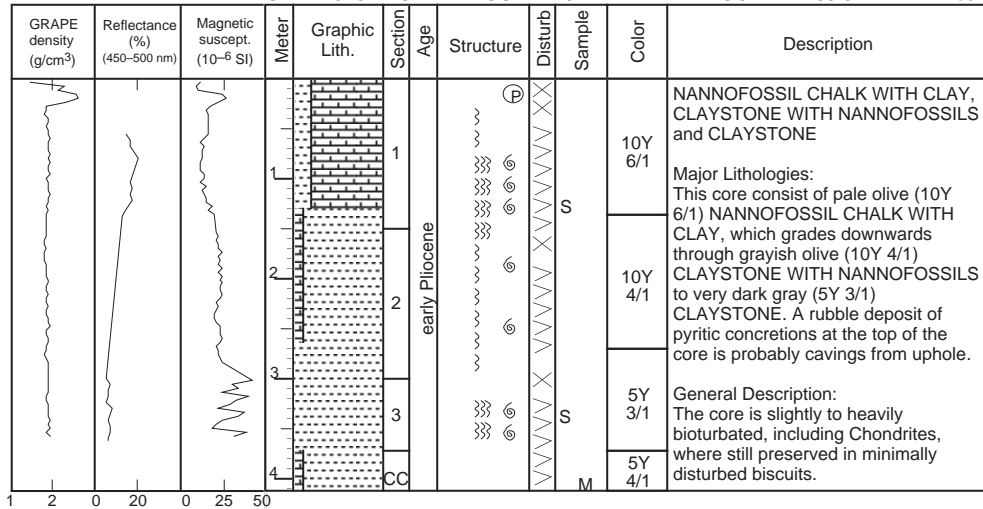
CORED 246.3 - 255.9 mbsf



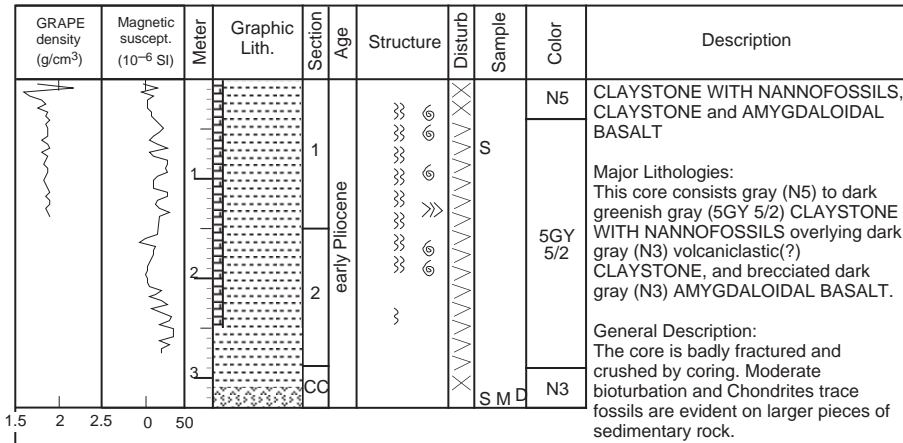
SITE 1020 HOLE B CORE 28X CORED 255.9 - 265.3 mbsf



SITE 1020 HOLE B CORE 29X CORED 265.3 - 274.7 mbsf



SITE 1020 HOLE B CORE 30X CORED 274.7 - 278.8 mbsf

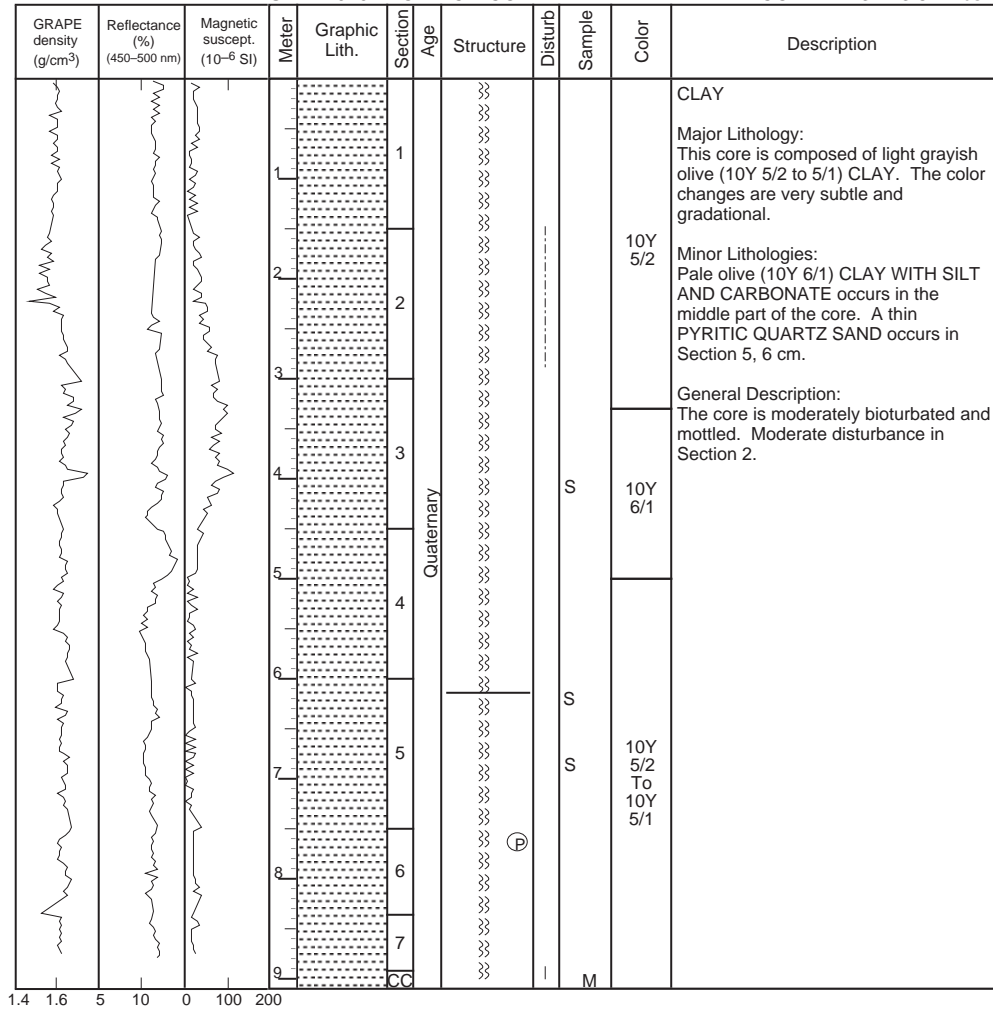


SITE 1020 HOLE C CORE 1H CORED 0.0 - 4.3 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	1.5	10	12	0	200	400					
			1		1						CLAY WITH SILT
			2		2	Quaternary			S	10Y 4/2 To 5Y 4/2	Major Lithology: The core is composed of grayish olive (10Y 4/2) to olive gray (5Y 4/2 to 5/2) CLAY WITH SILT. The color changes are subtle gradational. Minor Lithologies: One to 15 cm-thick, medium gray (N5) SILT WITH CLAY to SILTY CLAY with a sharp basal contact and upwards color grading occurs in the middle part of the core.
			3		3				S		
			4		4				S	10Y 5/2	General Description: The core is slightly to moderately bioturbated. Dark greenish mottles are observed in the lower half of the core.
					CC				M		

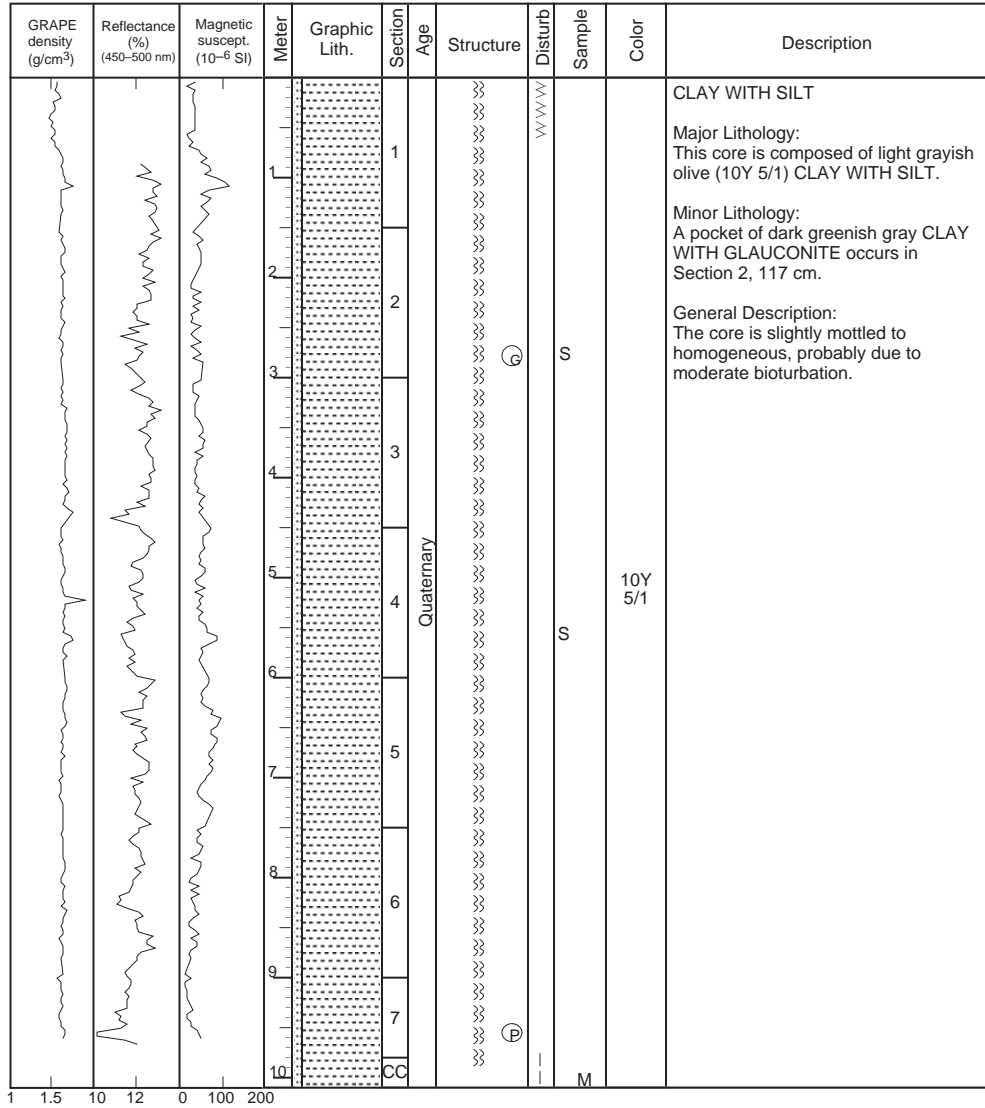
SITE 1020 HOLE C CORE 2H

CORED 4.3 - 13.8 mbsf



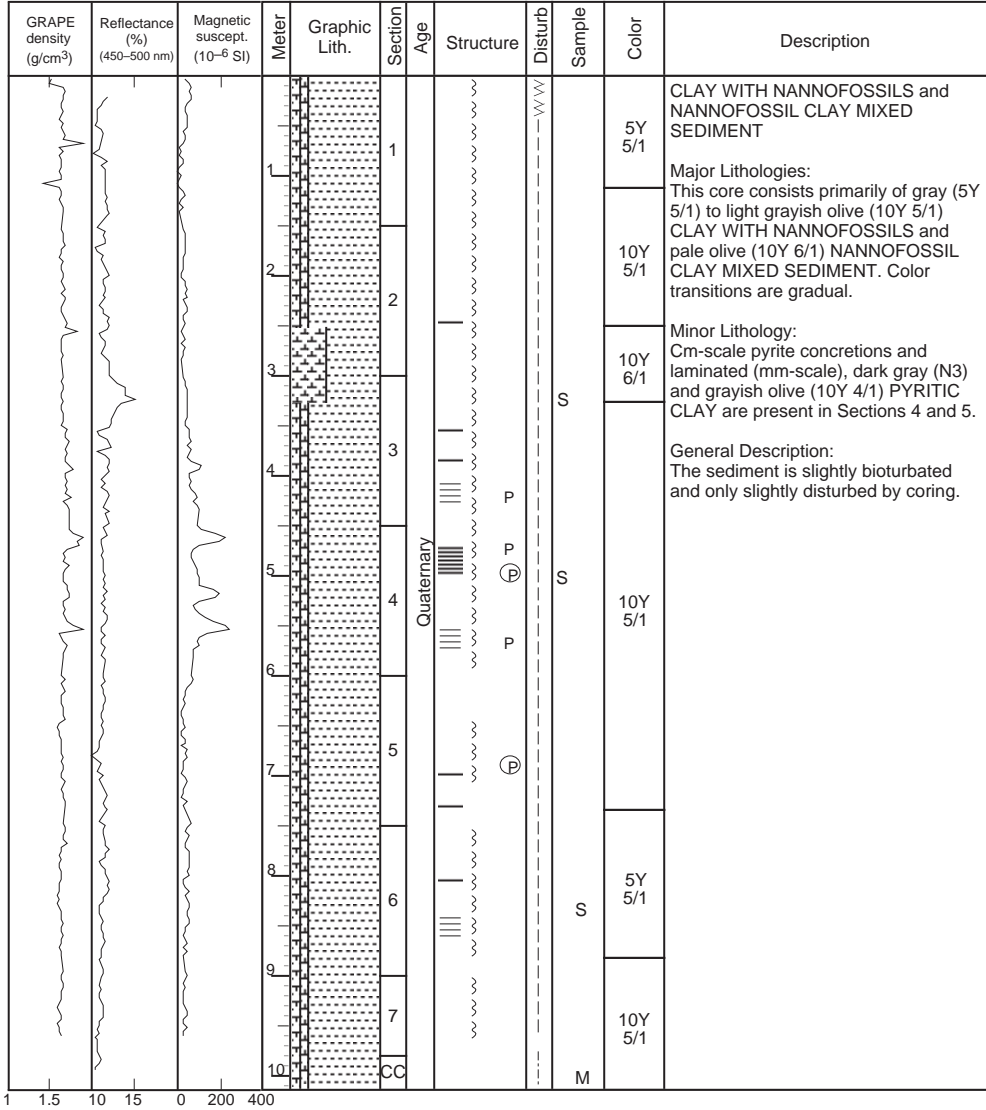
1.4 1.6 5 10 0 100 200

SITE 1020 HOLE C CORE 3H CORED 13.8 - 23.3 mbsf

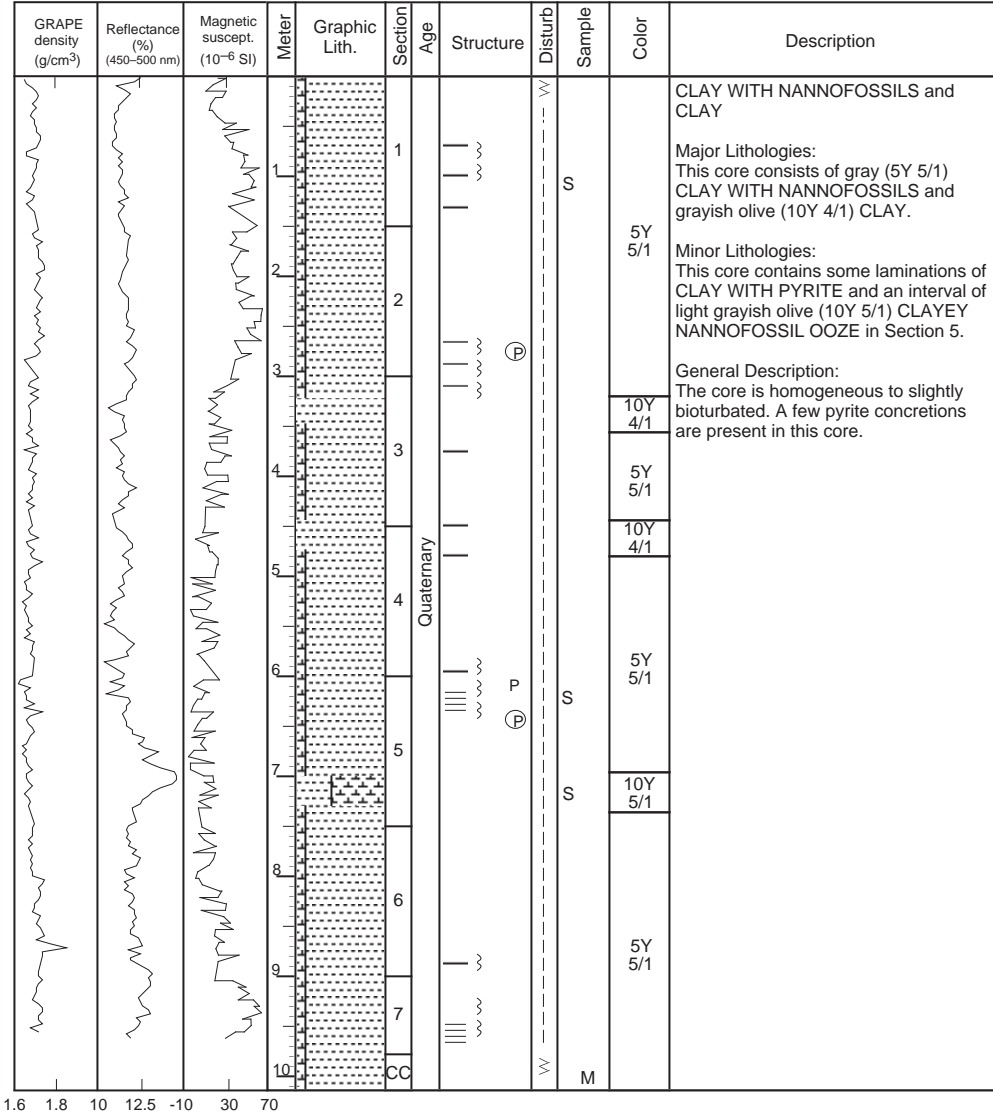


SITE 1020 HOLE C CORE 4H

CORED 23.3 - 32.8 mbsf

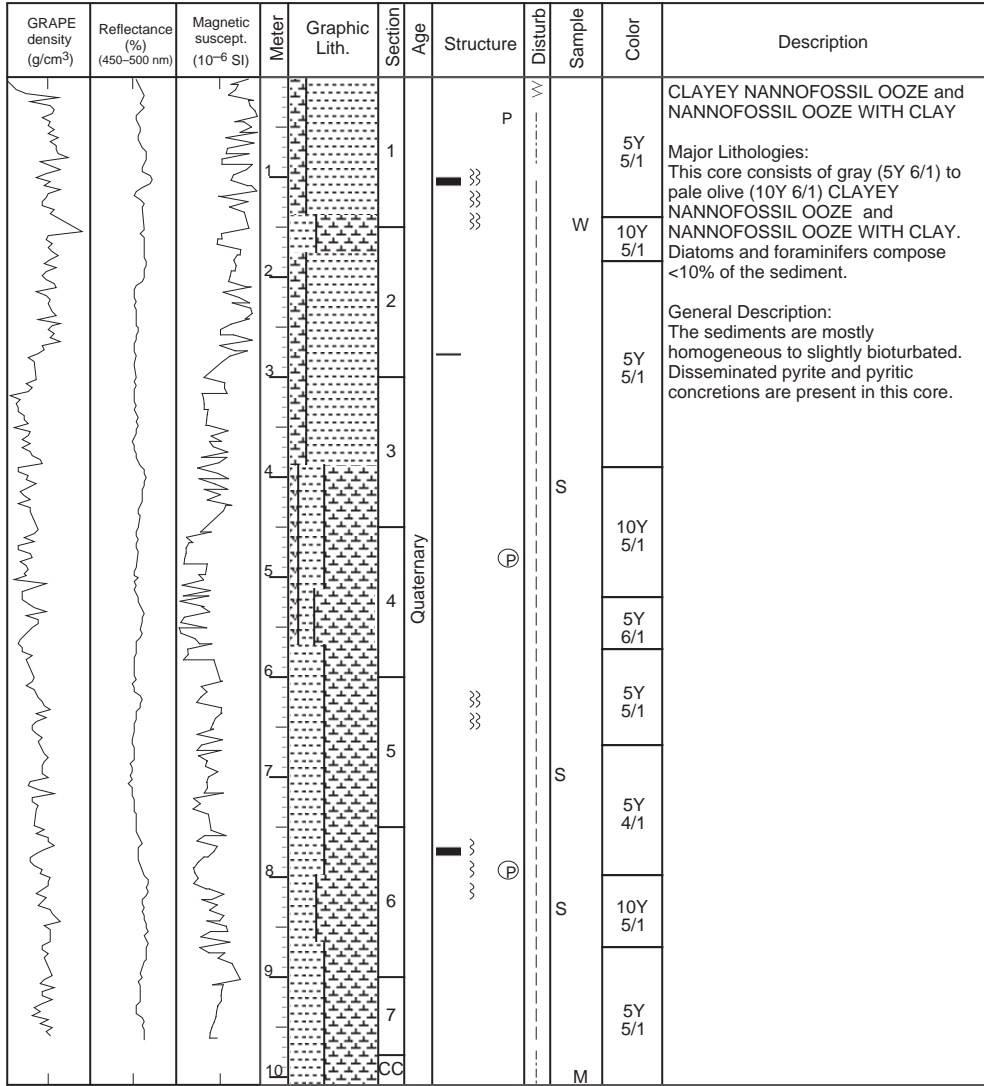


SITE 1020 HOLE C CORE 5H CORED 32.8 - 42.3 mbsf



SITE 1020 HOLE C CORE 6H

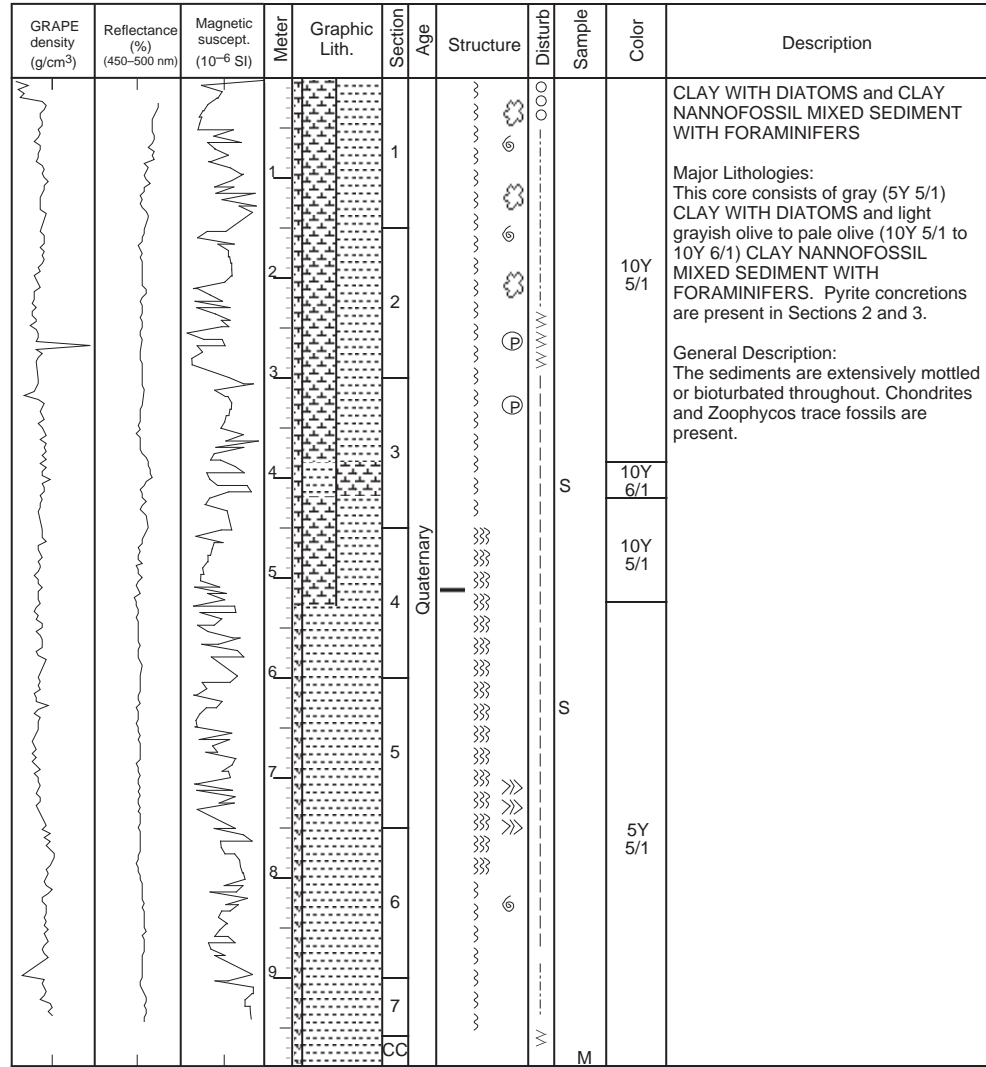
CORED 42.3 - 51.8 mbsf



1.6 1.7 0 10 -10 20 50

SITE 1020 HOLE C CORE 7H

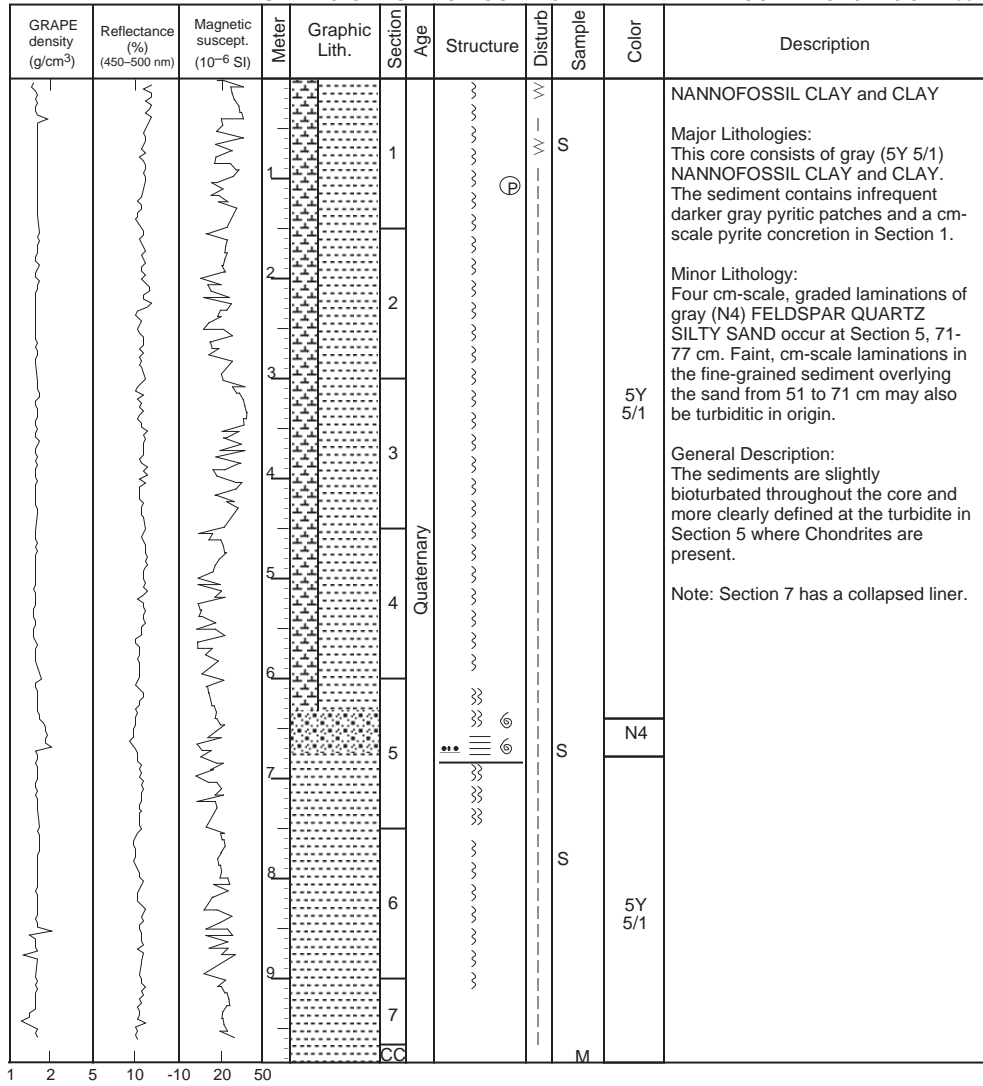
CORED 51.8 - 61.3 mbsf



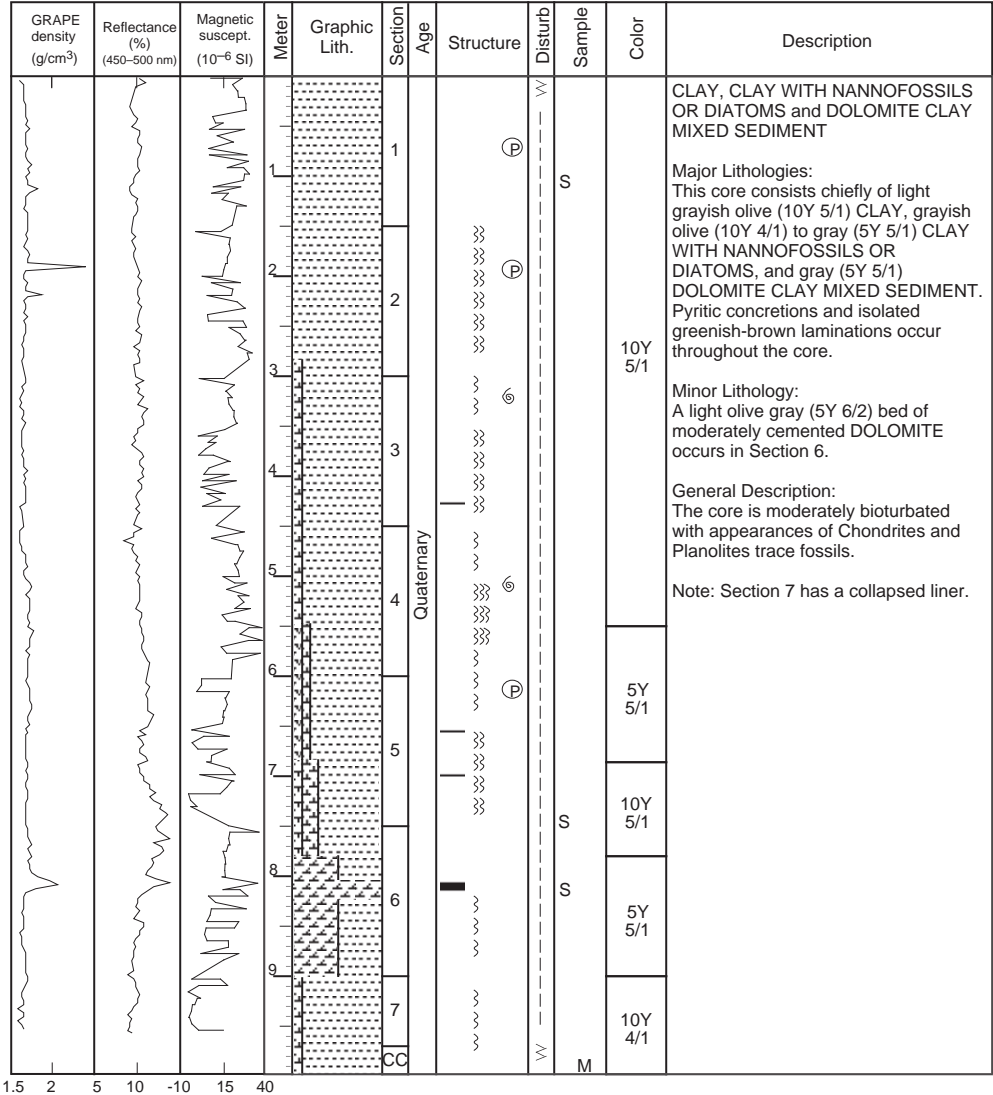
1.5 1.75 0 10 -10 15 40

SITE 1020 HOLE C CORE 8H

CORED 61.3 - 70.8 mbsf

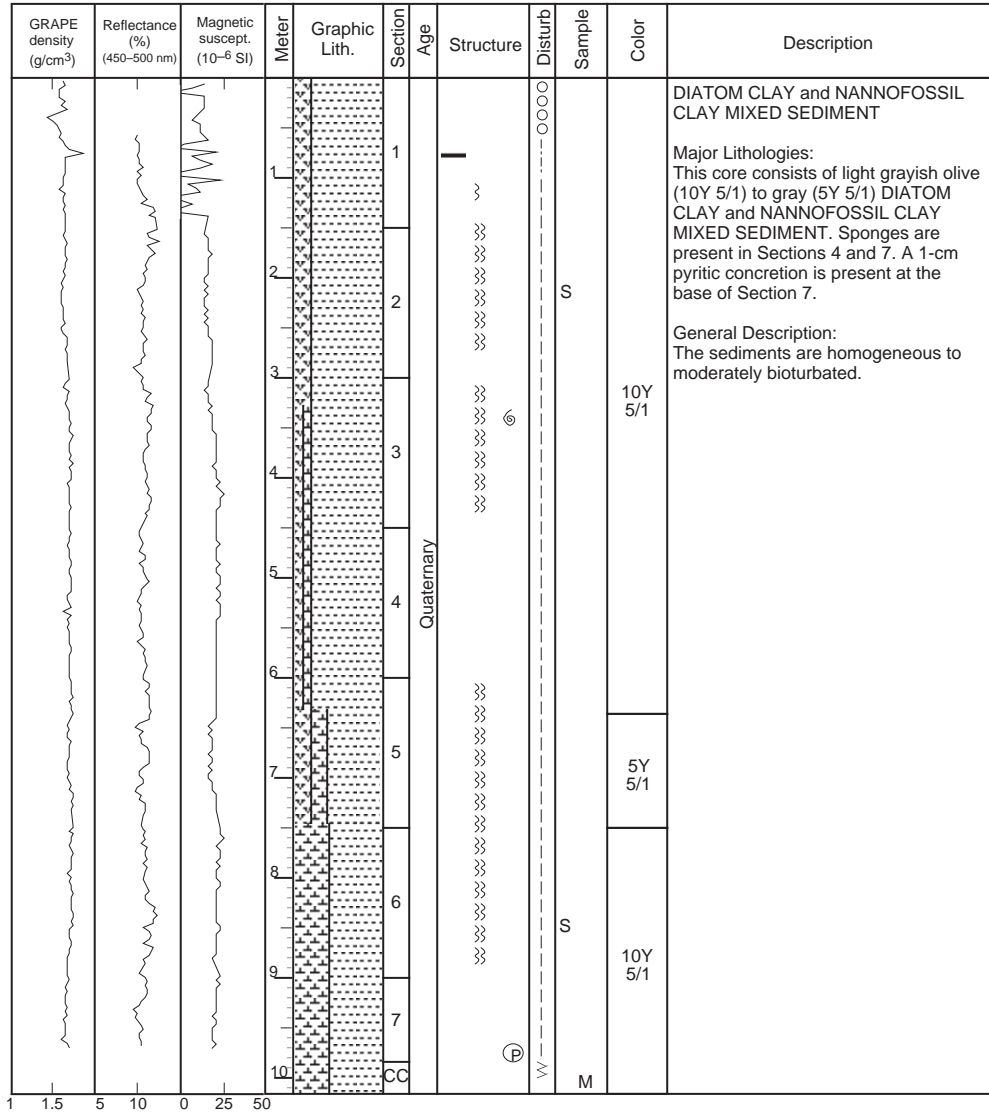


SITE 1020 HOLE C CORE 9H CORED 70.8 - 80.3 mbsf

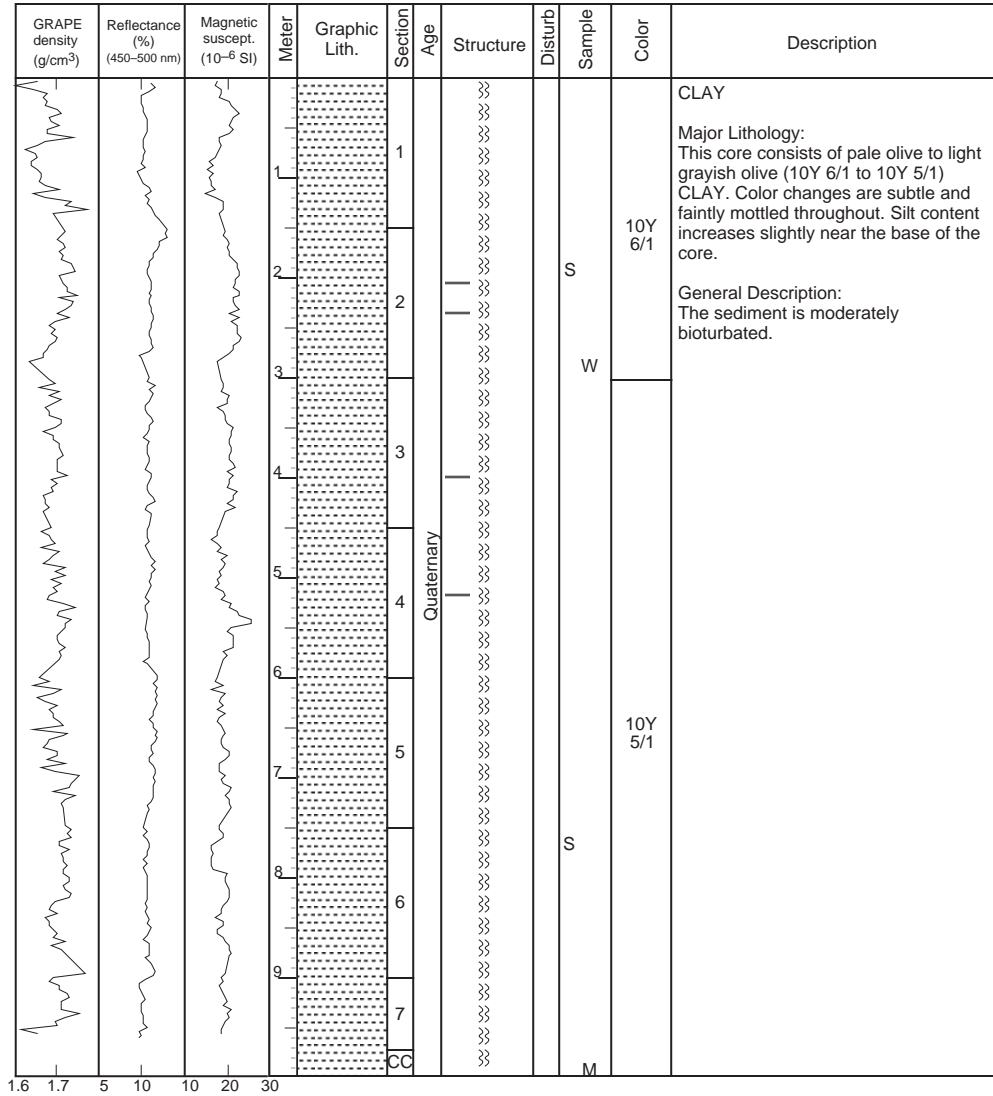


SITE 1020 HOLE C CORE 10H

CORED 80.3 - 89.8 mbsf



SITE 1020 HOLE C CORE 11H CORED 89.8 - 99.3 mbsf



SITE 1020 HOLE C CORE 12H CORED 99.3 - 108.8 mbsf

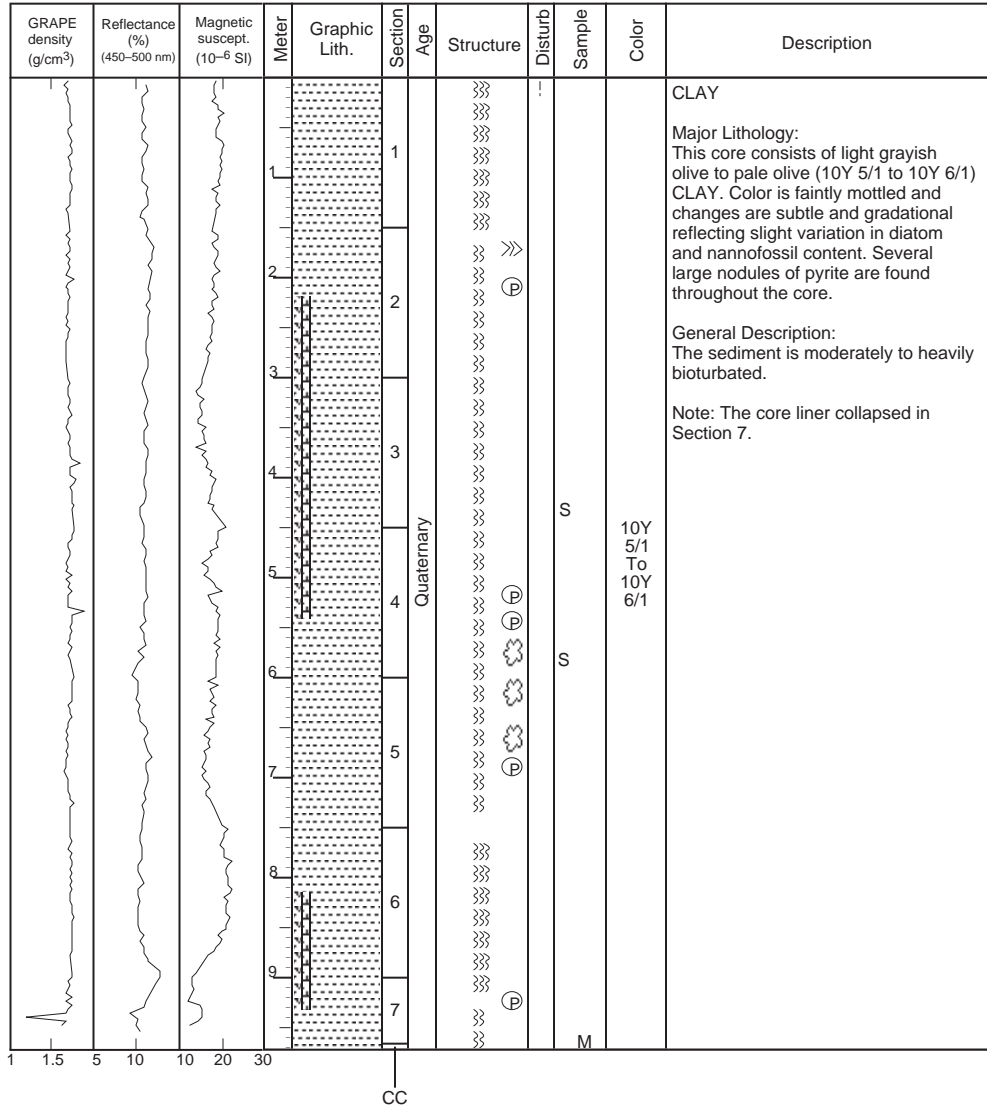
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description		
			0								<p>CLAY WITH NANNOFOSSILS and CLAY WITH DIATOMS</p> <p>Major Lithologies: This core consists of light grayish olive (10Y 5/1) CLAY WITH NANNOFOSSILS and CLAY WITH DIATOMS. Color variation is very subtle and faintly mottled. Large (2-5 cm) pyrite nodules occur in Section 2.</p> <p>General Description: The sediment is moderately to heavily bioturbated. Zoophycos trace fossils are common.</p> <p>Note: Core liner was crushed at top of Section 1.</p>		
			1	1	1								
			2	2	2	2	2			(P)			
			3	3	3	3	3			(P)			
			4	4	4	4	3						
			5	5	5	5	4	Quaternary					10Y 5/1
			6	6	6	6	4						
			7	7	7	7	5					S	
			8	8	8	8	6						
9	9	9	9	6									
CC				7					S				
										M			

SITE 1020 HOLE C CORE 13H CORED 108.8 - 118.3 mbsf

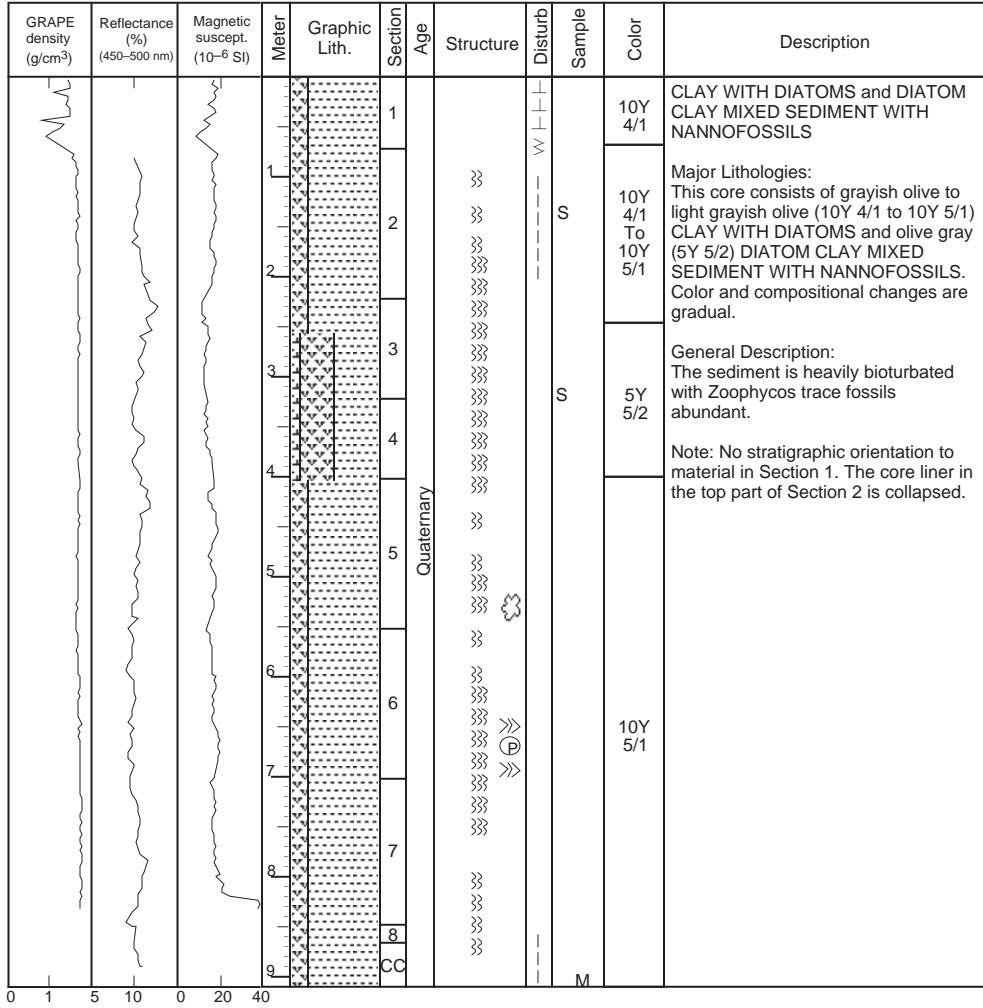
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1		}}		I S S M	10Y 5/1	CLAY and CLAY NANNOFOSSIL MIXED SEDIMENT Major Lithologies: This core consists of light grayish olive (10Y 5/1) CLAY gradually alternating with pale olive (10Y 6/1) CLAY NANNOFOSSIL MIXED SEDIMENT. Color is faintly mottled with greenish hues throughout the core. General Description: The sediment is moderately to heavily bioturbated. Zoophycos trace fossils are common.
			2		2			}}		10Y 6/1	
			3		2			}}		10Y 5/1	
			4		3			}}		10Y 6/1	
			5		3			}}		10Y 5/1	
			6		4			}}		10Y 6/1	
			7		5			}}		10Y 5/1	
			8		6			}}		10Y 6/1	
			9		7			}}		10Y 5/1	
			10		CC			}}			

SITE 1020 HOLE C CORE 14H

CORED 118.3 - 127.8 mbsf



SITE 1020 HOLE C CORE 15H CORED 127.8 - 137.3 mbsf



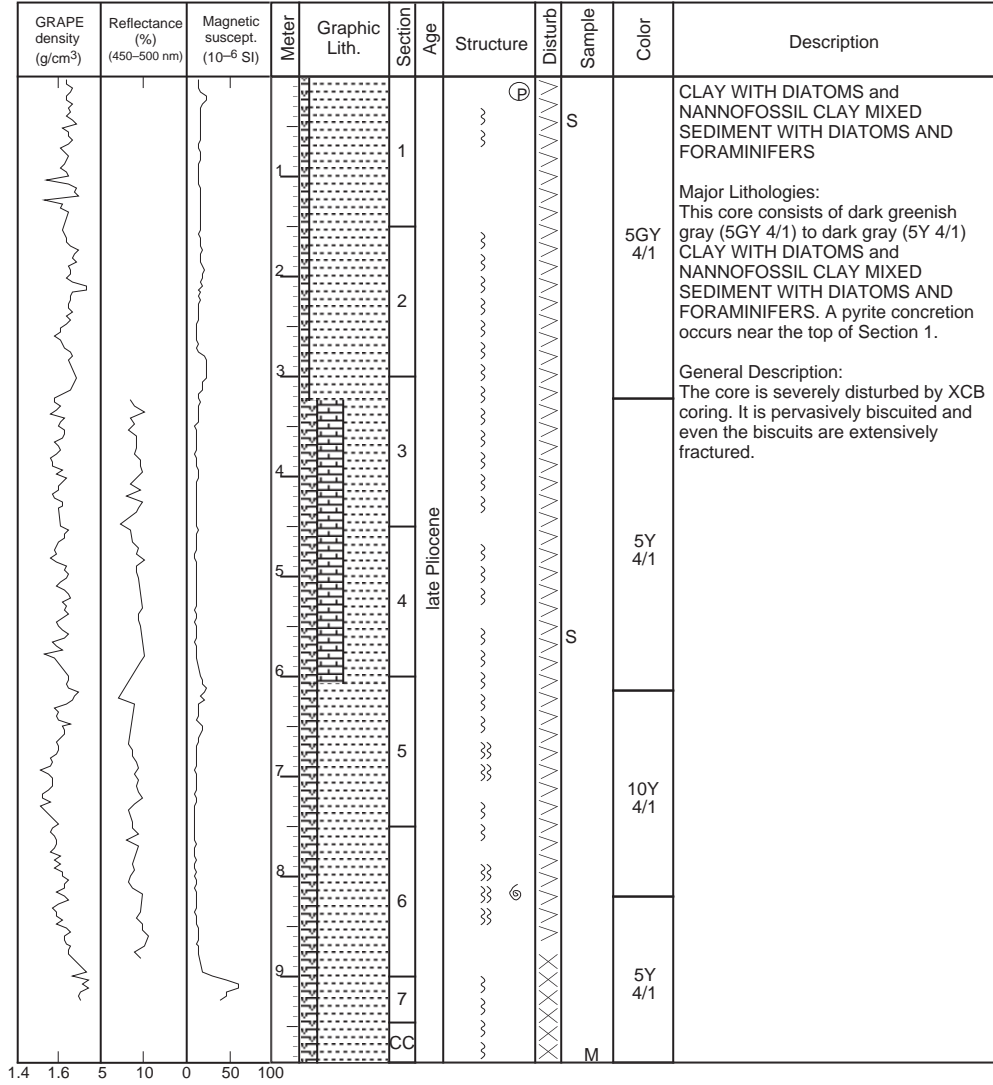
SITE 1020 HOLE C CORE 16H

CORED 137.3 - 146.8 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1		}}				<p>CLAY WITH DIATOMS</p> <p>Major Lithology: This core consists of CLAY WITH DIATOMS. Color variation is faintly mottled between grayish olive to olive gray (10Y 4/1 to 5Y 5/2) with no distinct color layers. Several small faults occur throughout the core.</p> <p>General Description: The sediment is moderately to heavily bioturbated.</p> <p>Note: Expanded material from Section 2 is boxed separately from the core.</p>
			1		1		}}				
			2		2		}}>>				
			2		2		}}>>		S		
			3		3		}}				
			3		3		}}				
			4		3		}}				
			4		4		}}				
			5		4		}}			10Y 4/1 To 5Y 5/2	
			5		4		}}				
			6		5		}}				
			6		5		}}		S		
			7		7		}}				
			7		7		}}				
			8		6		}}		W		
			8		6		}}				
			9		7		}}				
			9		7		}}				
			10		CC		}}		M		

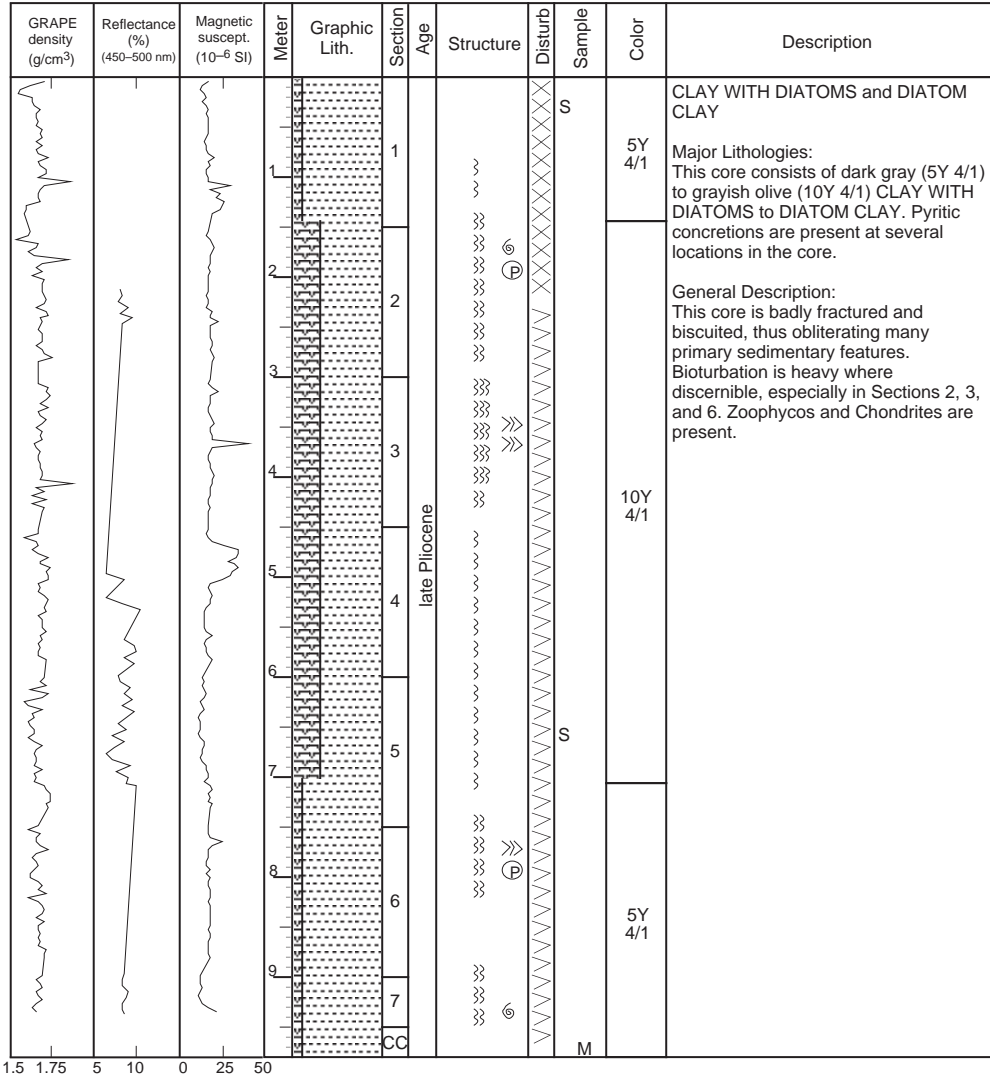
1.65 1.75 9 11 10 25 40

SITE 1020 HOLE C CORE 17X CORED 146.8 - 156.3 mbsf

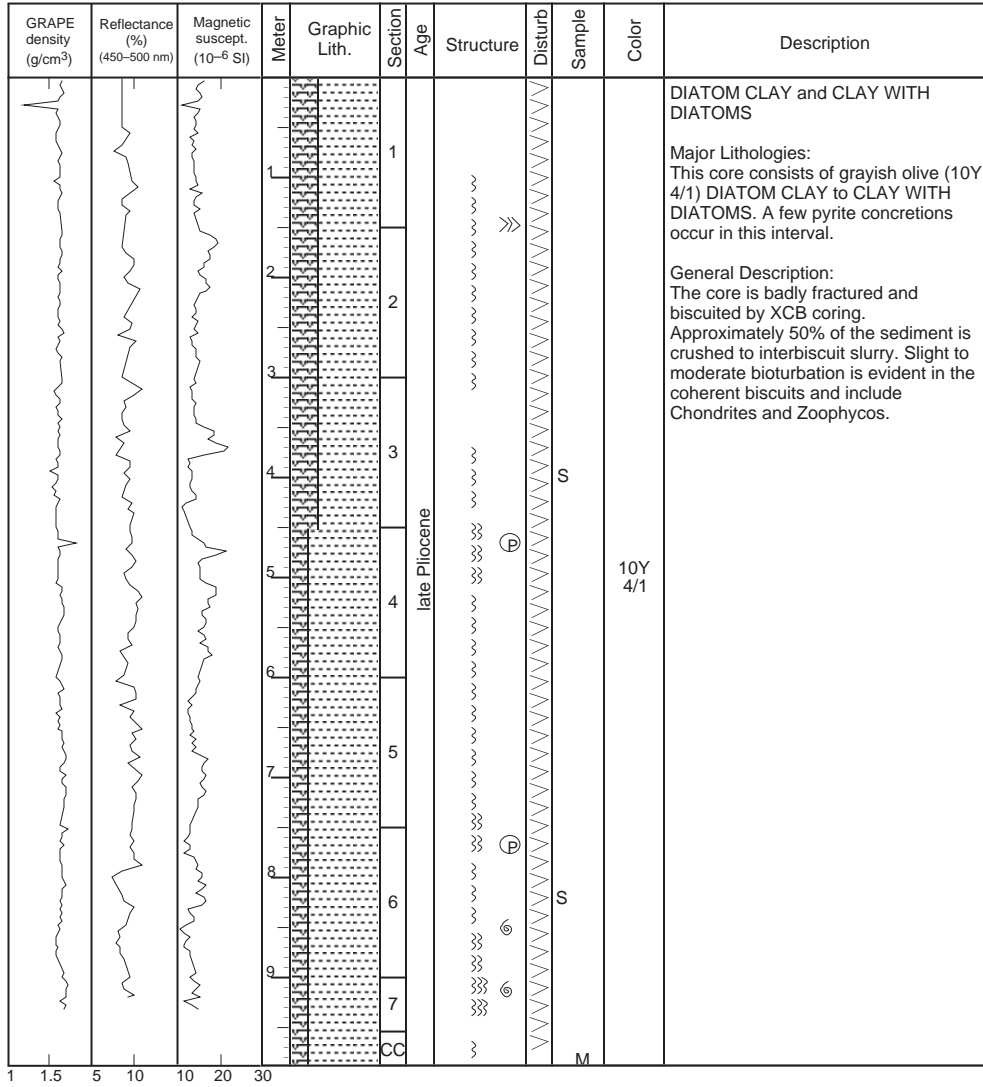


SITE 1020 HOLE C CORE 18X

CORED 156.3 - 165.9 mbsf

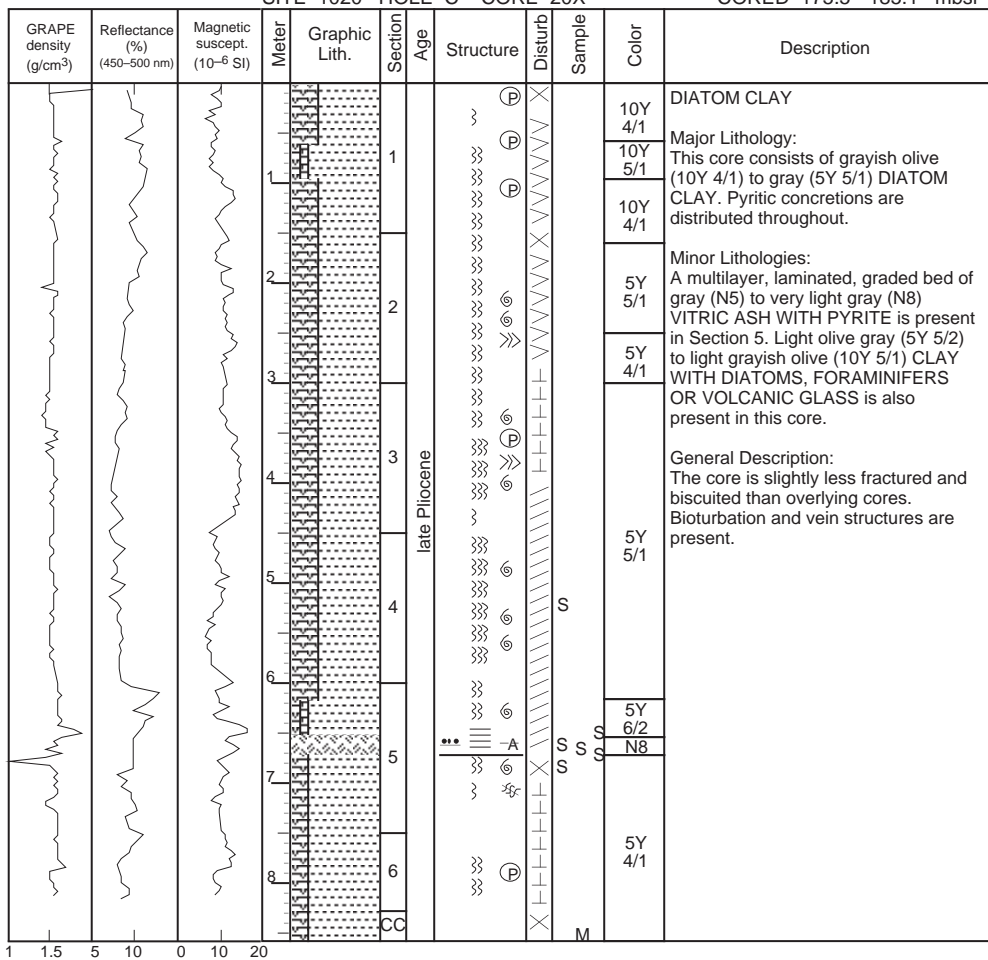


SITE 1020 HOLE C CORE 19X CORED 165.9 - 175.5 mbsf



SITE 1020 HOLE C CORE 20X

CORED 175.5 - 185.1 mbsf



SITE 1020 HOLE C CORE 21X CORED 185.1 - 194.7 mbsf

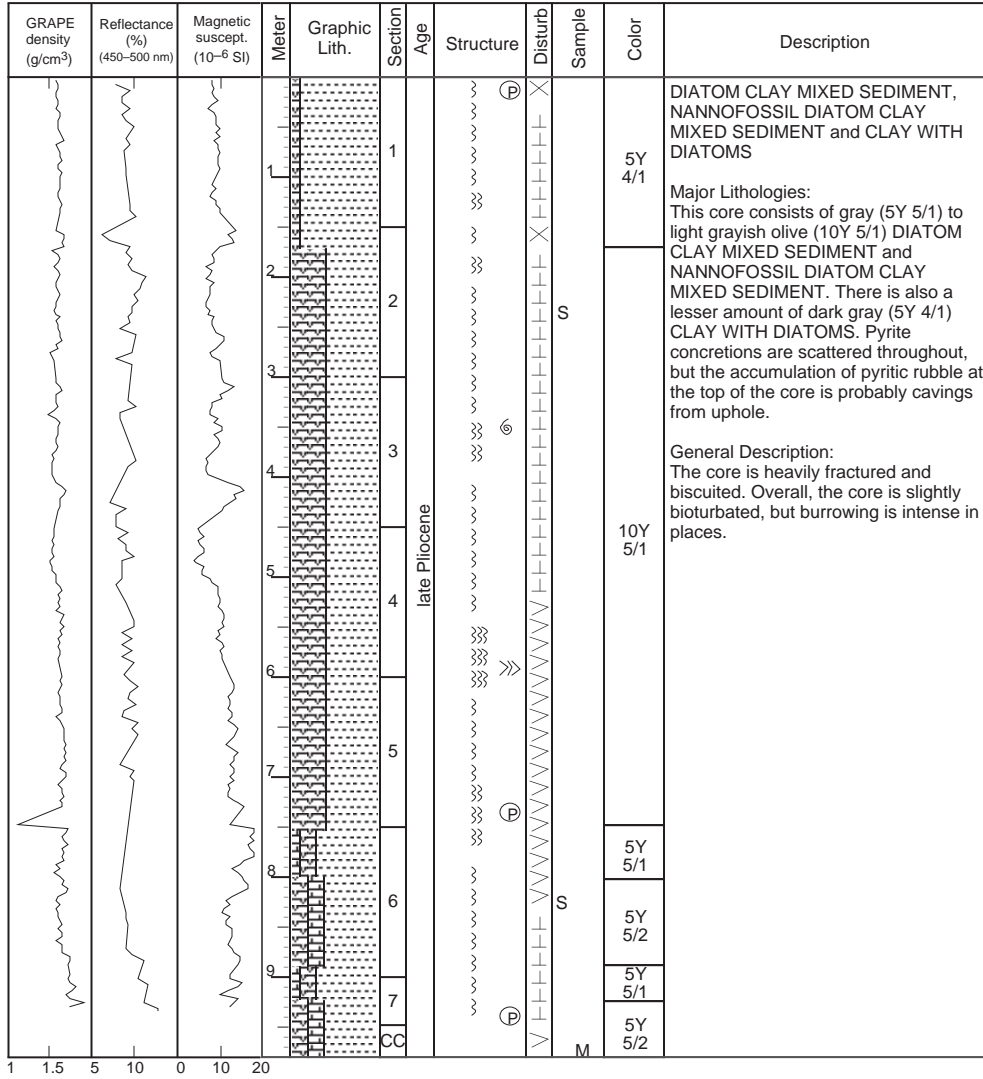
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1	late Pliocene CC			S M	10Y 5/1	CLAY and CLAY WITH DIATOMS OR NANNOFOSSILS Major Lithologies: This core consists predominantly of dark gray (5Y 4/1) CLAY and gray (5Y 5/1) to light grayish olive (10Y 5/1) CLAY WITH DIATOMS OR NANNOFOSSILS. Pyritic concretions and vein structures are common. Minor Lithology: A sub-meter bed of olive gray (5Y 5/2) DOLOMITIC CLAY occurs in the upper half of the core. General Description: The sediment is slightly to heavily bioturbated, and includes some Chondrites and Zoophycos trace fossils.
			2		5Y 5/1						
			3		10Y 5/1						
			4		5Y 5/2						
			5		5Y 4/1						
			6								
			7								
8	10Y 4/1										
9											

SITE 1020 HOLE C CORE 22X

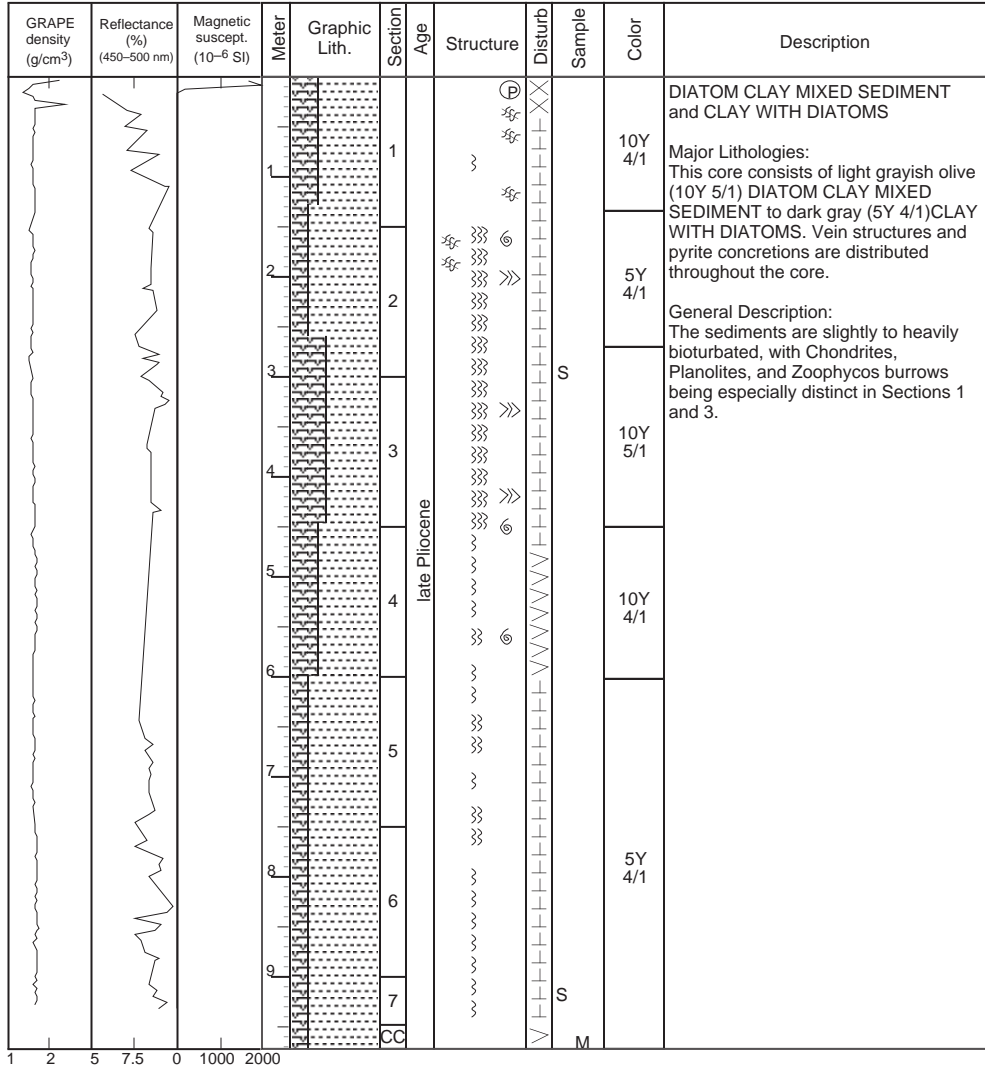
CORED 194.7 - 204.3 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	2	5	10	0	10	20					
			1		1		}}	⊗		5Y 4/2	DIATOM CLAY and DIATOM CLAY MIXED SEDIMENT
			1		1		}}	⊗		5Y 4/1	Major Lithologies: This core consists of olive (5Y 4/3) to olive gray (5Y 4/2) DIATOM CLAY MIXED SEDIMENT and grayish olive (10Y 4/1) DIATOM CLAY. Vein structures and pyrite concretions are common.
			2		2		}}	⊗		5Y 4/3	
			3		3		}}	⊗		5Y 4/2	General Description: This core is moderately bioturbated throughout and includes some Chondrites and Planolites trace fossils.
			4		3		}}	⊗	S	5Y 4/3	
			5		4	late Pliocene	}}	⊗		5Y 4/2	
			6		5		}}				
			7		5		}}				
			8		6		}}	⊗		10Y 4/1	
			9		6		}}	⊗			
					7		}}	⊗	S		
					CC		}}	⊗	M		

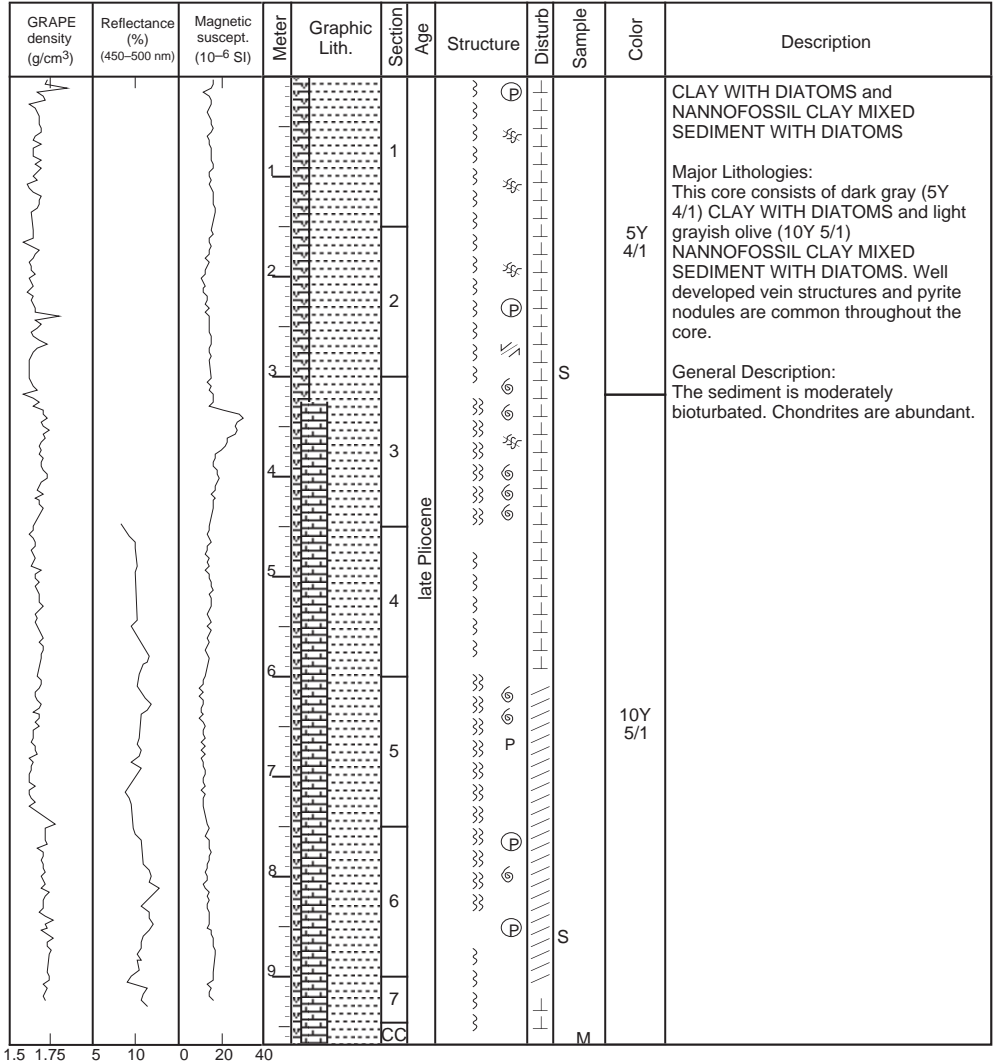
SITE 1020 HOLE C CORE 23X CORED 204.3 - 213.9 mbsf



SITE 1020 HOLE C CORE 24X CORED 213.9 - 223.5 mbsf

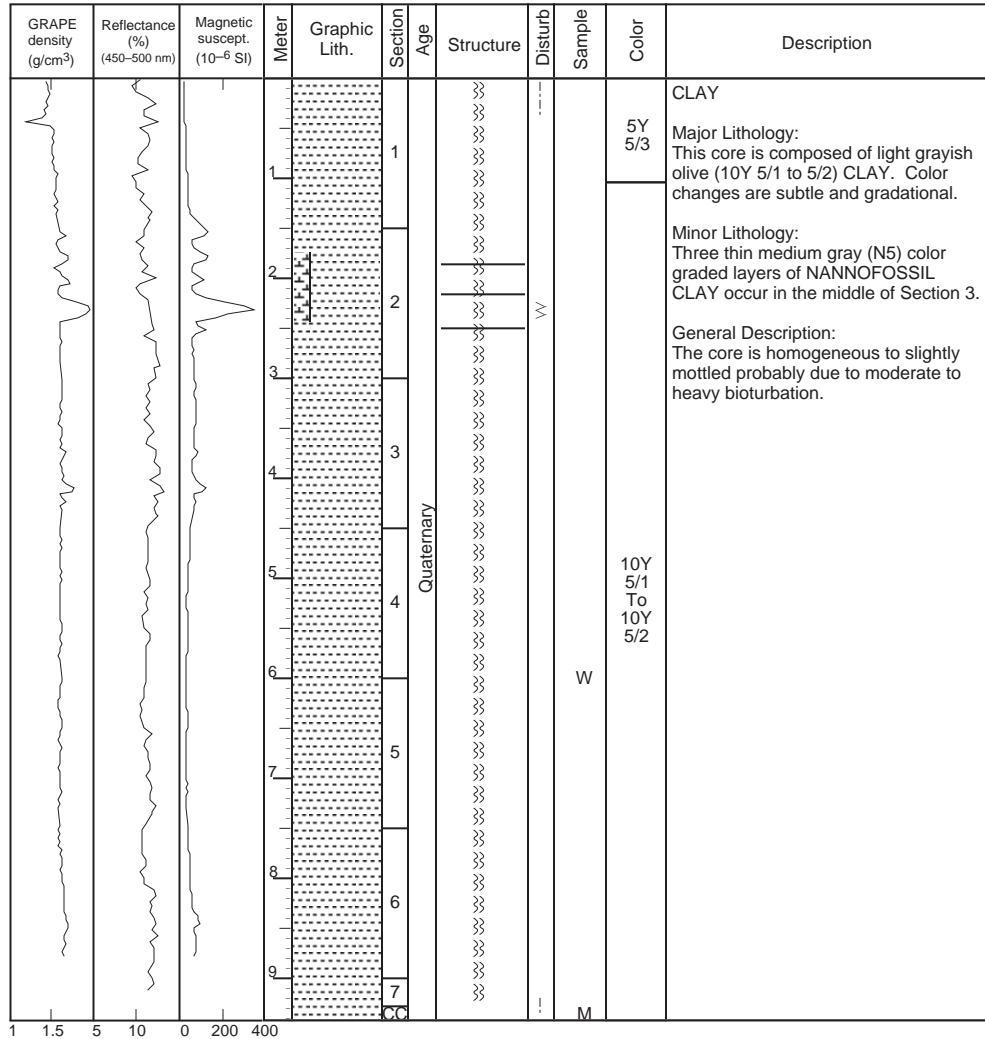


SITE 1020 HOLE C CORE 25X CORED 223.5 - 233.2 mbsf



SITE 1020 HOLE D CORE 1H

CORED 0.0 - 9.4 mbsf



SITE 1020 HOLE D CORE 2H

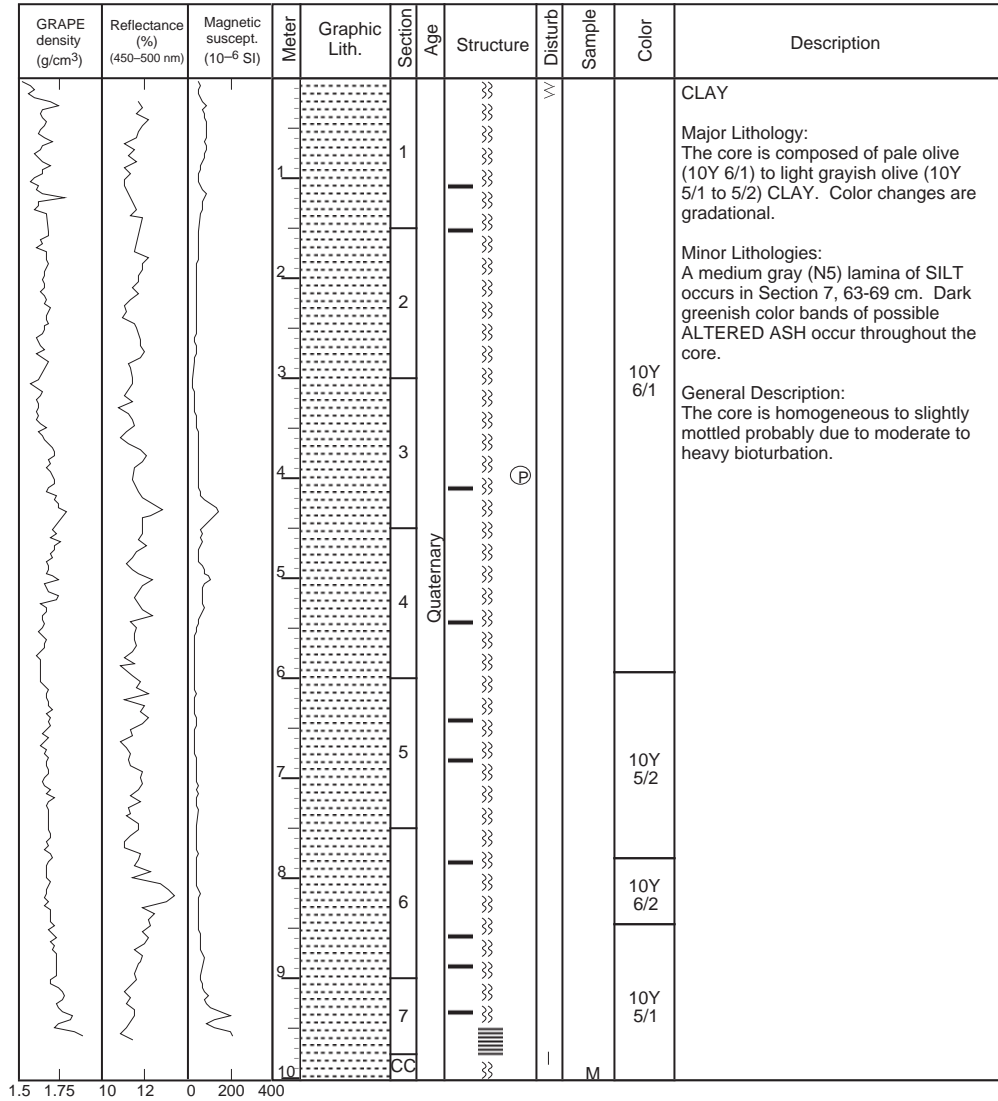
CORED 9.4 - 18.9 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1		}}	⊖		10Y 4/2	<p>CLAY and CLAY WITH DIATOMS</p> <p>Major Lithologies: This core consists of light grayish olive (10Y 4/2 to 5/1) CLAY and olive gray (5Y 5/2) CLAY WITH DIATOMS.</p> <p>Minor Lithologies: Pale olive (10Y 6/1) CLAY WITH SILT AND CARBONATE occurs in the upper part of the Section 4.</p> <p>General Description: The sediment is slightly bioturbated. Chondrites burrows occur in the middle of Section 1.</p>
			2		2		}}	⊕		10Y 5/1	
			3		3		}}			5Y 5/2	
			4		3		}}			10Y 5/1	
			5		4		}}			10Y 6/1	
			6		4	Quaternary	}}				
			7		5		}}				
			8		6		}}			10Y 5/1	
			9		7		}}				
			10		CC		}}	⊖	M		

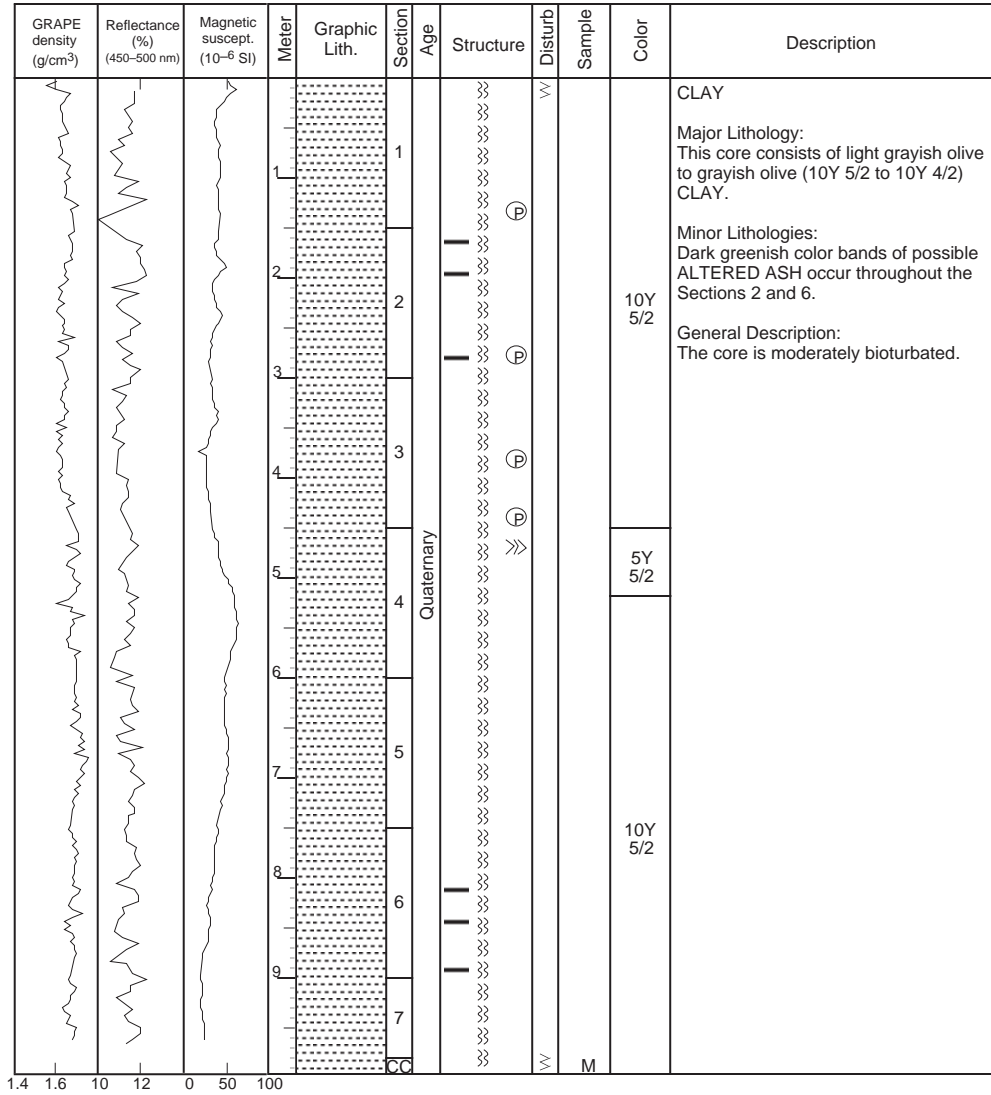
1 1.5 5 10 0 100 200

SITE 1020 HOLE D CORE 3H

CORED 18.9 - 28.4 mbsf

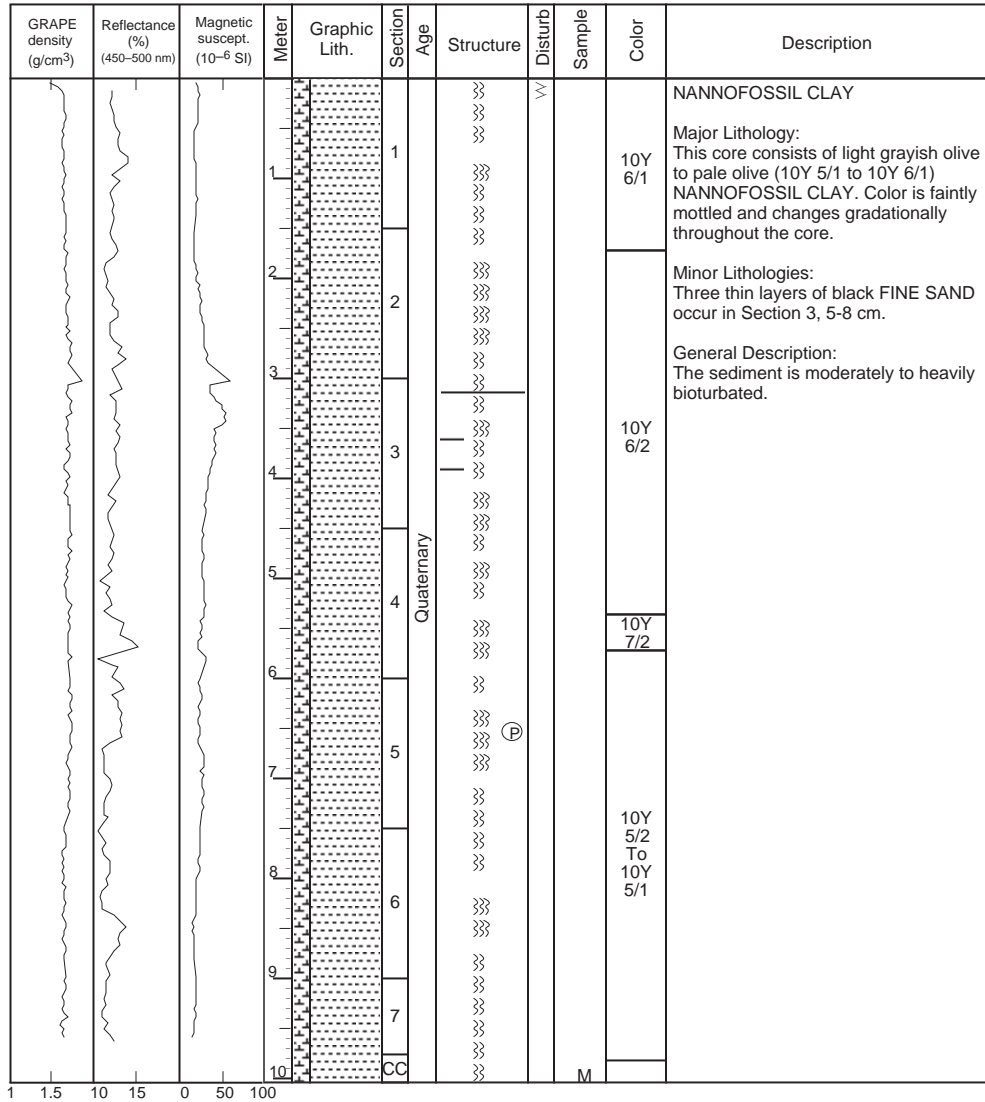


SITE 1020 HOLE D CORE 4H CORED 28.4 - 37.9 mbsf



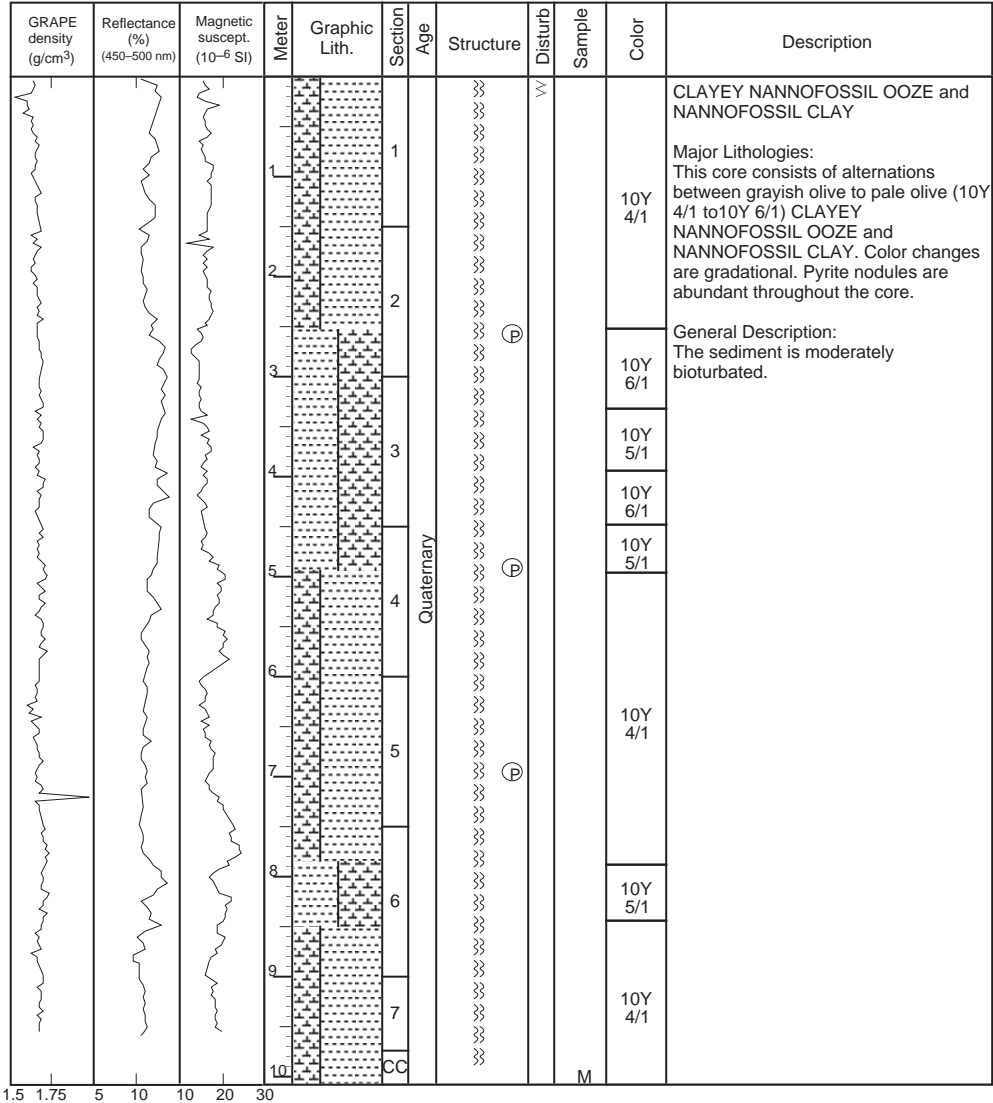
SITE 1020 HOLE D CORE 5H

CORED 37.9 - 47.4 mbsf



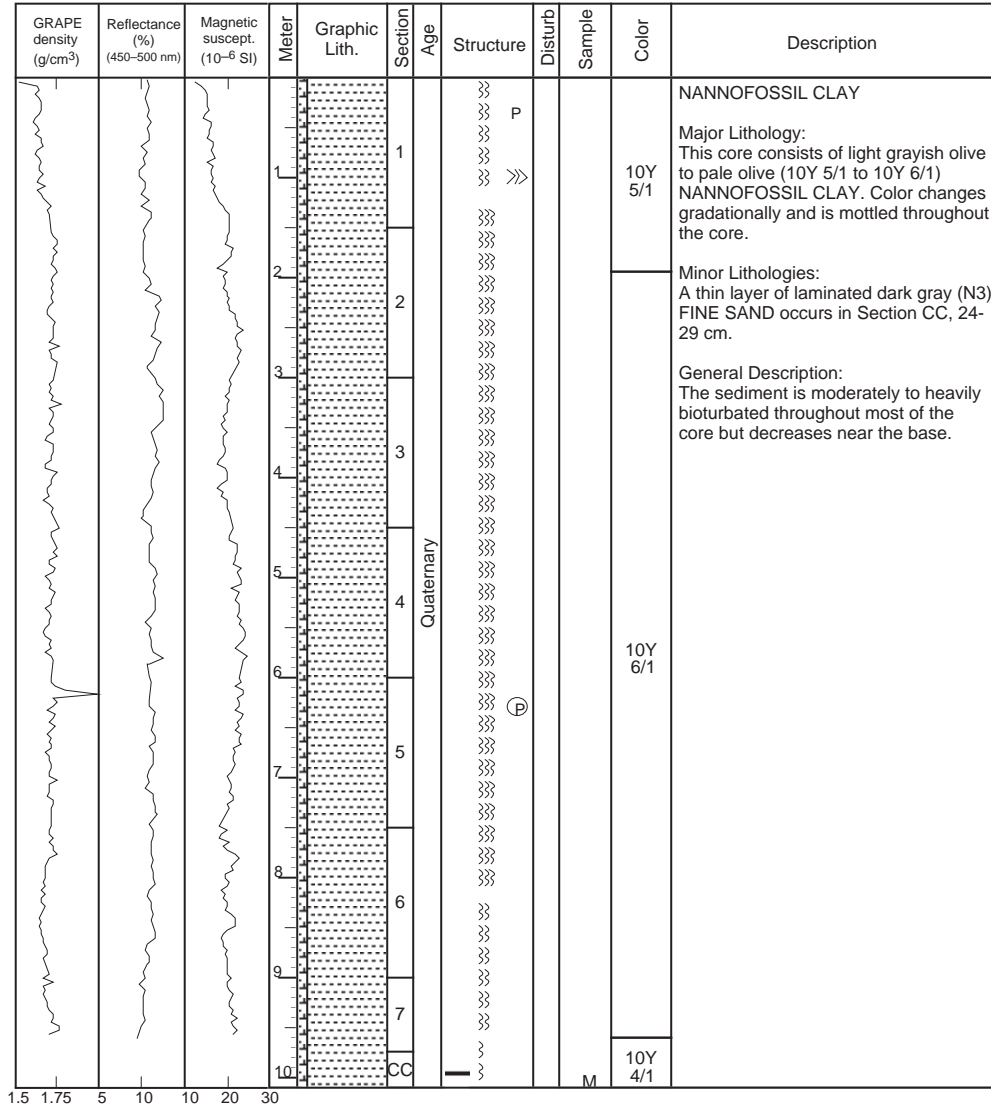
SITE 1020 HOLE D CORE 6H

CORED 47.4 - 56.9 mbsf



SITE 1020 HOLE D CORE 7H

CORED 56.9 - 66.4 mbsf



1.5 1.75 5 10 20 30

SITE 1020 HOLE D CORE 8H CORED 66.4 - 75.9 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1						<p>CLAY WITH NANNOFOSSILS and NANNOFOSSIL CLAY</p> <p>Major Lithologies: This core consists of grayish olive (10Y 4/2) NANNOFOSSIL CLAY and olive gray (5Y 5/2) CLAY WITH NANNOFOSSILS. Color changes are subtle and gradational. Small (0.5 cm) pyrite nodules occur throughout the core.</p> <p>Minor Lithologies: Section 1, 30-38 cm, contains a graded bed of fine SAND.</p> <p>General Description: The sediment is moderately bioturbated.</p>
			2		2					10Y 4/2	
			3		3					5Y 5/2	
			4		3					10Y 4/2	
			5		4					5Y 5/2	
			6		4						
			7		5						
			8		6					10Y 4/2	
			9		7						
					CC				M		

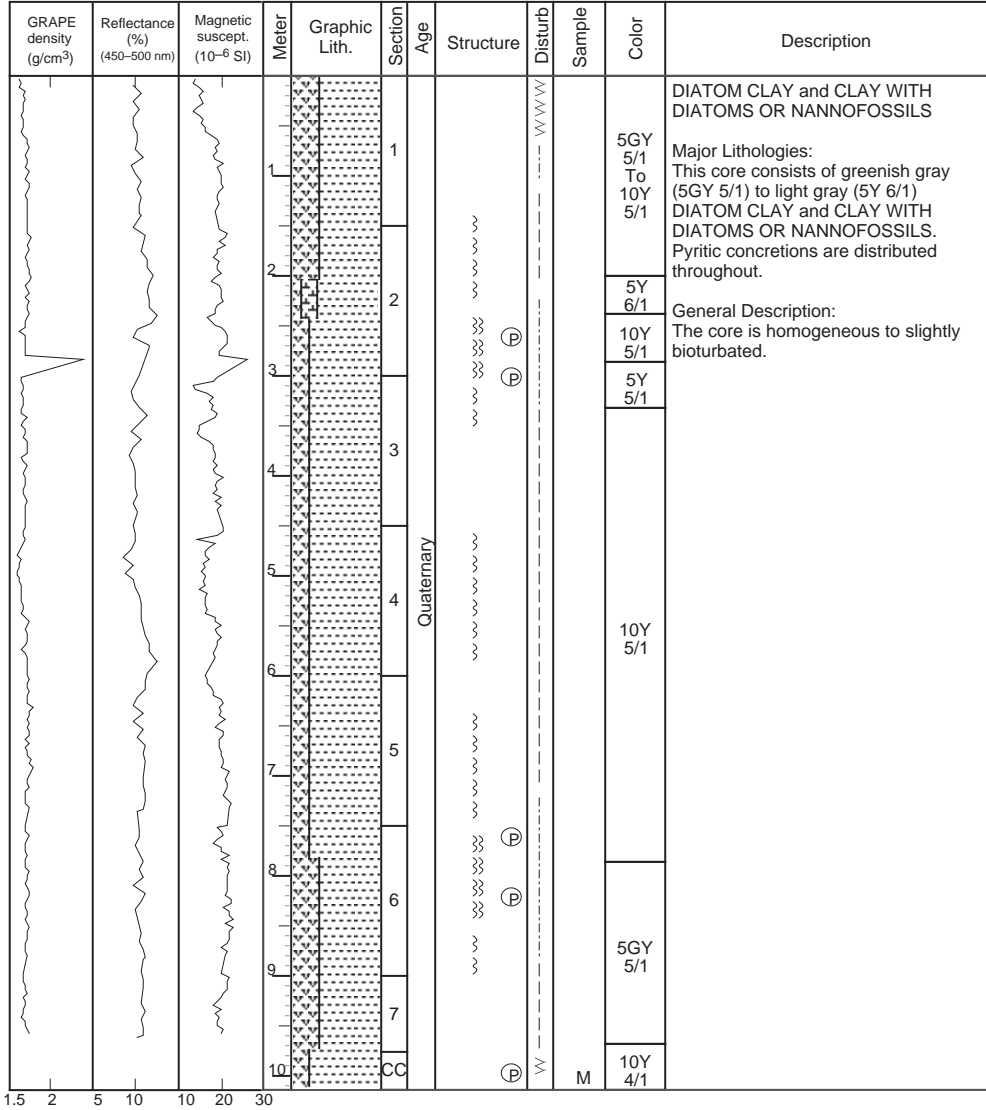
SITE 1020 HOLE D CORE 9H

CORED 75.9 - 85.4 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1		1					5Y 5/1	<p>CLAY WITH DIATOMS OR NANNOFOSSILS, DOLOMITE CLAY MIXED SEDIMENT and CLAY</p> <p>Major Lithologies: This core consists of gray (5Y 5/1) to light grayish olive (10Y 5/1) CLAY WITH DIATOMS OR NANNOFOSSILS, dark greenish gray (5GY 4/1) CLAY, and gray (5Y 5/1) DOLOMITE CLAY MIXED SEDIMENT. Disseminated pyrite and pyritic concretions are distributed throughout.</p> <p>General Description: The core is slightly bioturbated and recovered with only moderate disturbance.</p>
		2		2		P			10Y 5/1	
		3		3		P			5Y 5/1	
		4		3					10Y 5/1	
		5		4	Quaternary				5Y 6/1	
		6		4						
		7		5		P			5Y 5/1	
		8		5		P				
		9		6					10Y 5/1	
		10		7		P			5GY 4/1	
				CC				M		

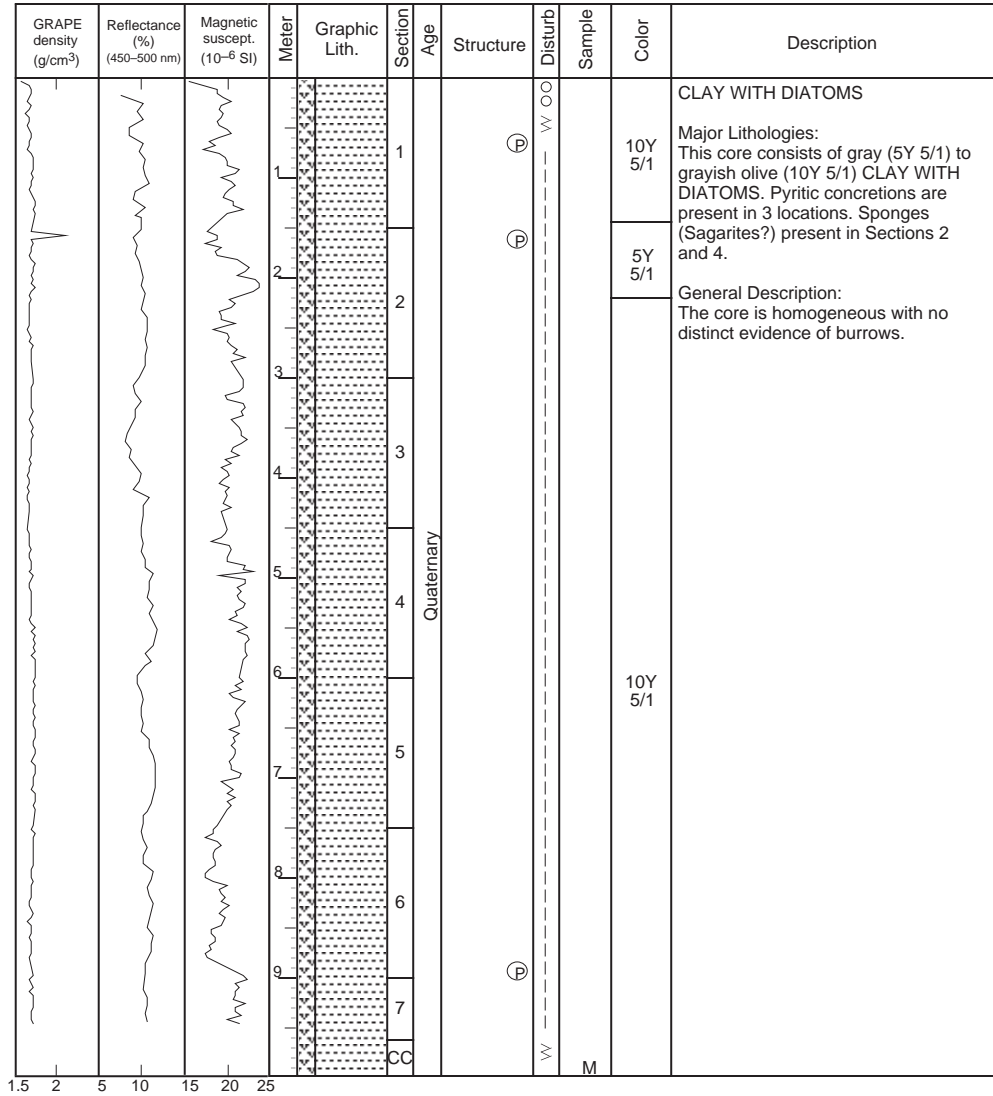
1.6 1.8 9 11.5 14

SITE 1020 HOLE D CORE 10H CORED 85.4 - 94.9 mbsf

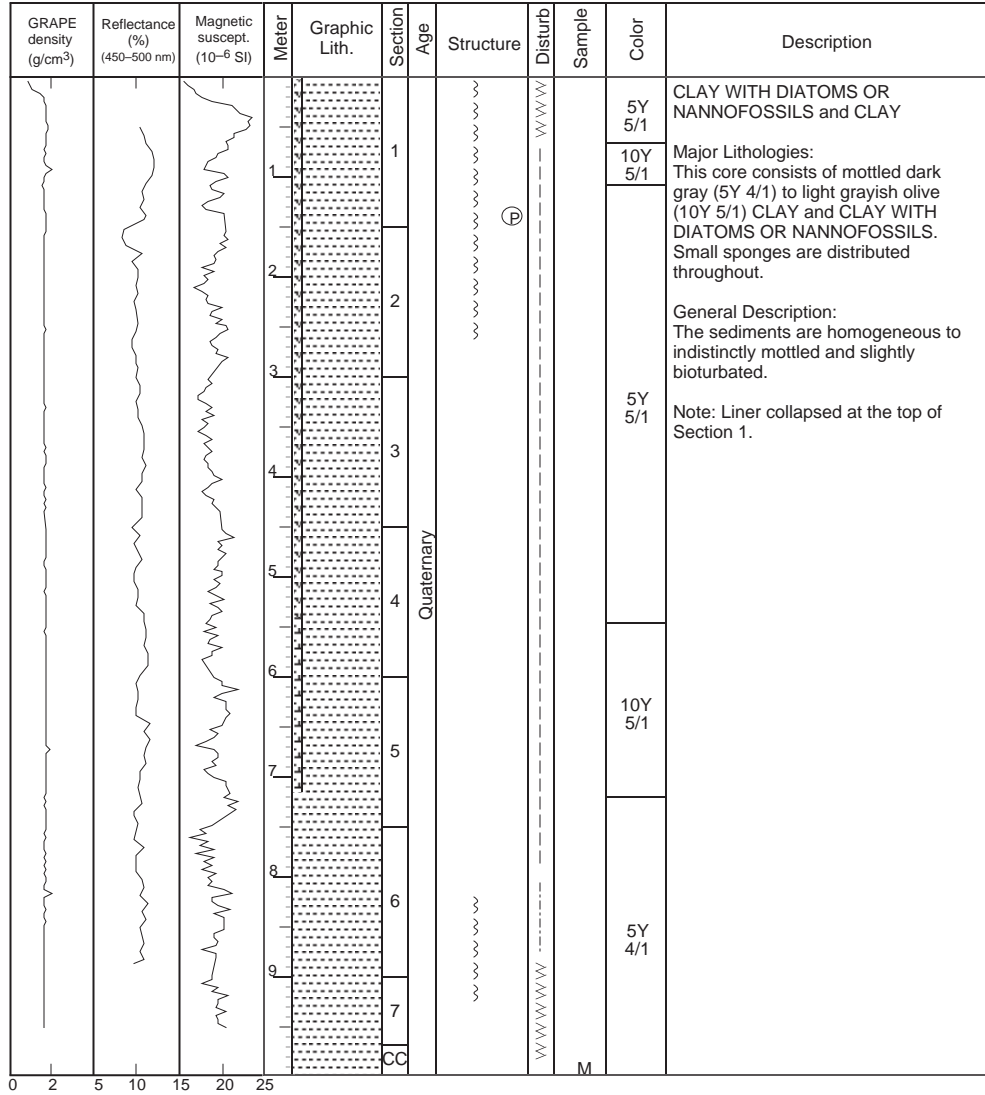


SITE 1020 HOLE D CORE 11H

CORED 94.9 - 104.4 mbsf




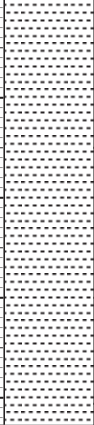


SITE 1020 HOLE D CORE 12H CORED 104.4 - 113.9 mbsf

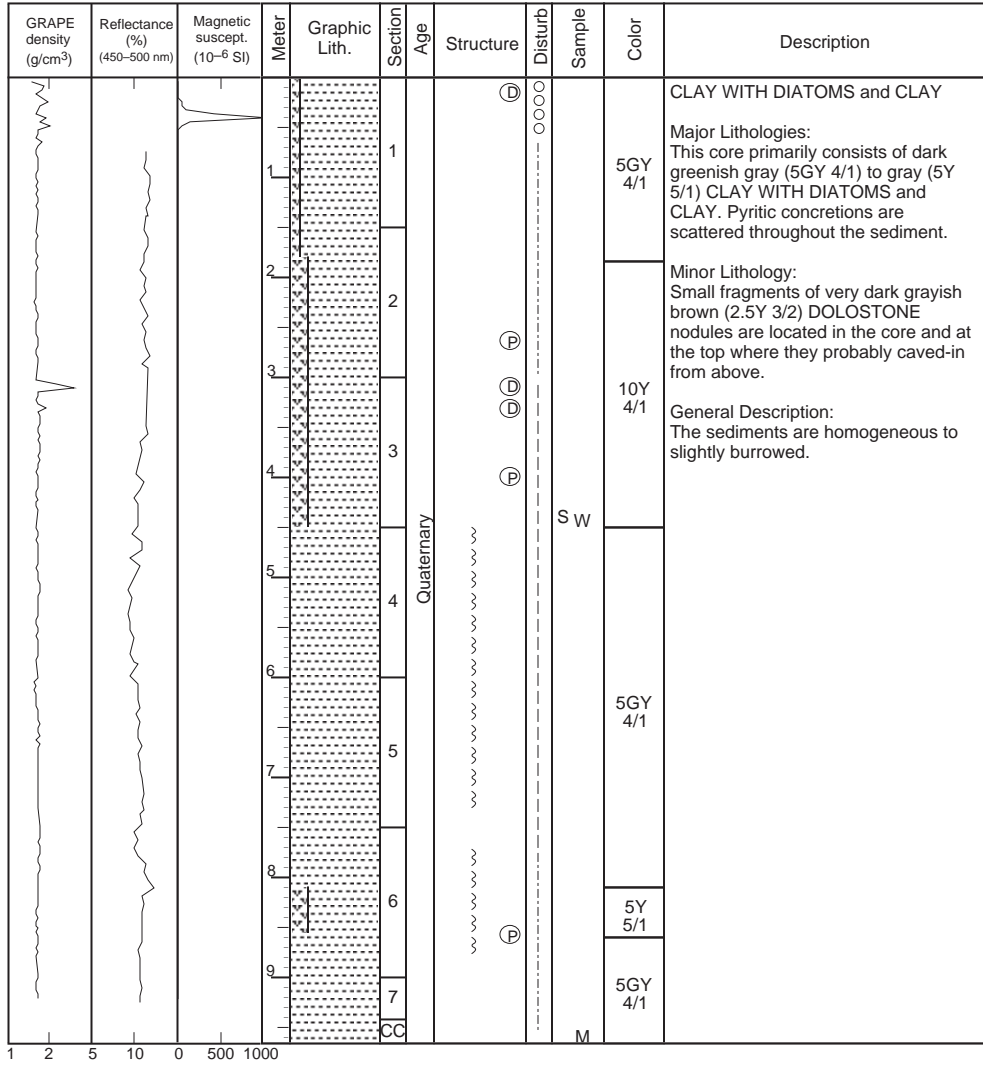


SITE 1020 HOLE D CORE 13H

CORED 113.9 - 118.2 mbsf

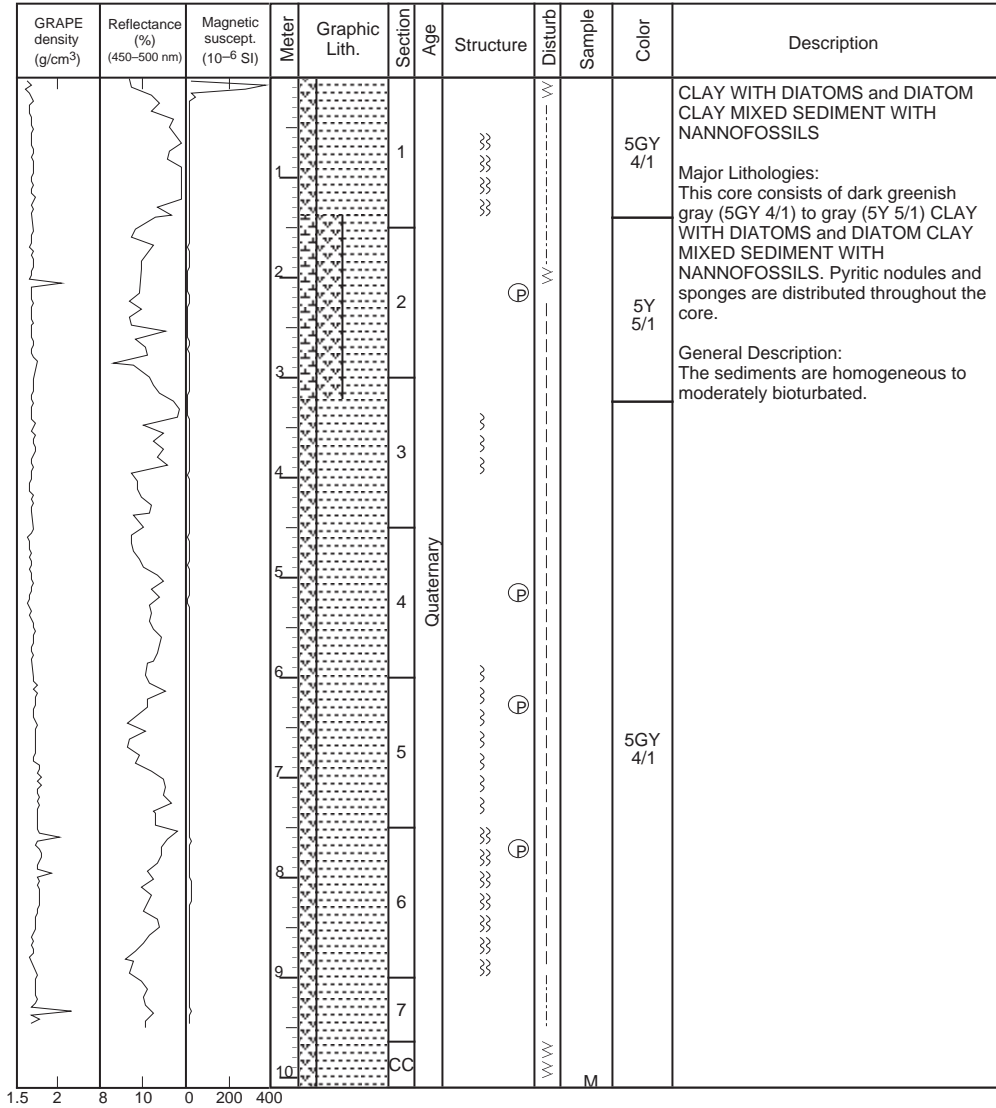
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
			1 2 3 4		1 2 3 4 CC	Ⓟ P P P	 W W M	 M	5GY 4/1	<p>CLAY</p> <p>Major Lithology: This core consists of dark greenish gray (5GY 4/1) CLAY. The core is mottled throughout, but displays no distinct burrows. Pyrite is disseminated in the CLAY and forms a concretion near the top of the core.</p> <p>General Description: Recovery is low in this core because of hard dolomite occurring at the top of the next core.</p>

SITE 1020 HOLE D CORE 14H CORED 118.2 - 127.7 mbsf

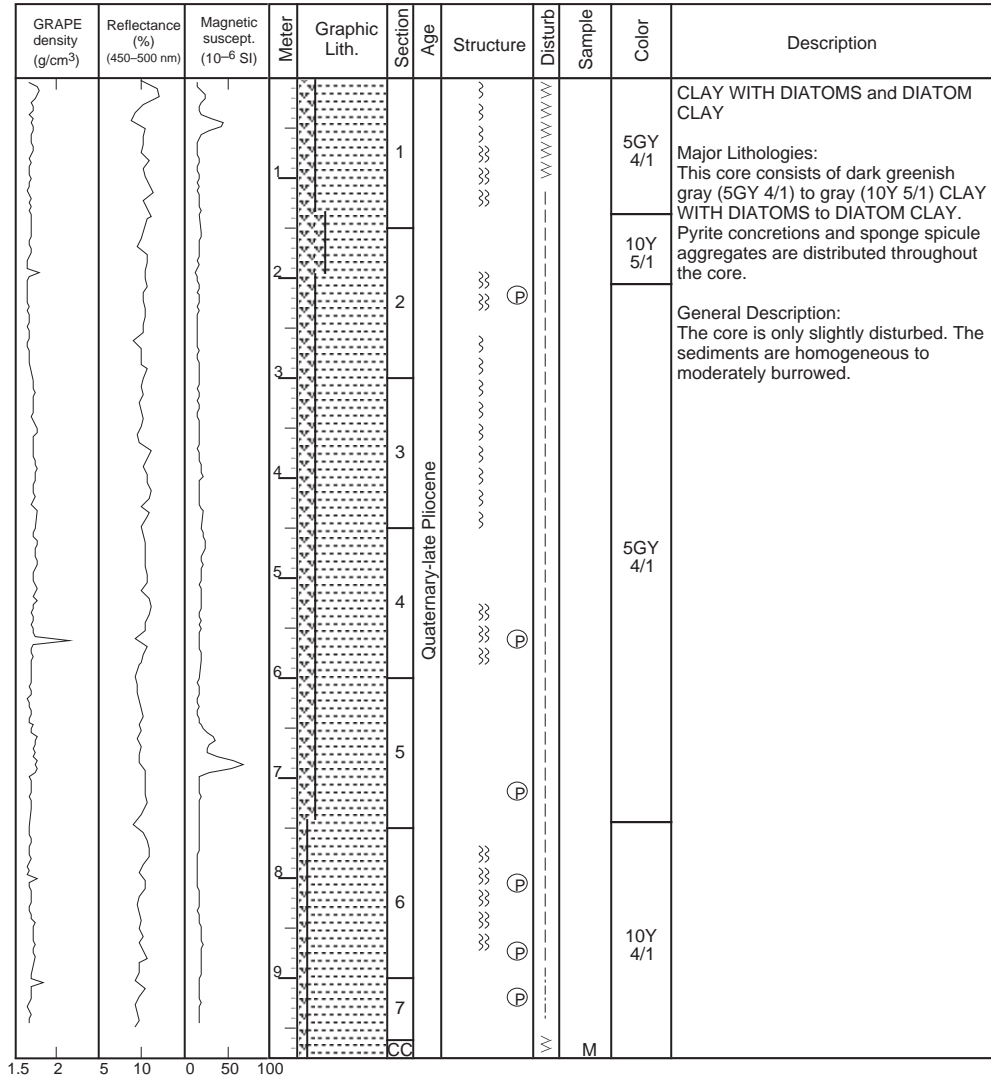


SITE 1020 HOLE D CORE 15H

CORED 127.7 - 137.2 mbsf

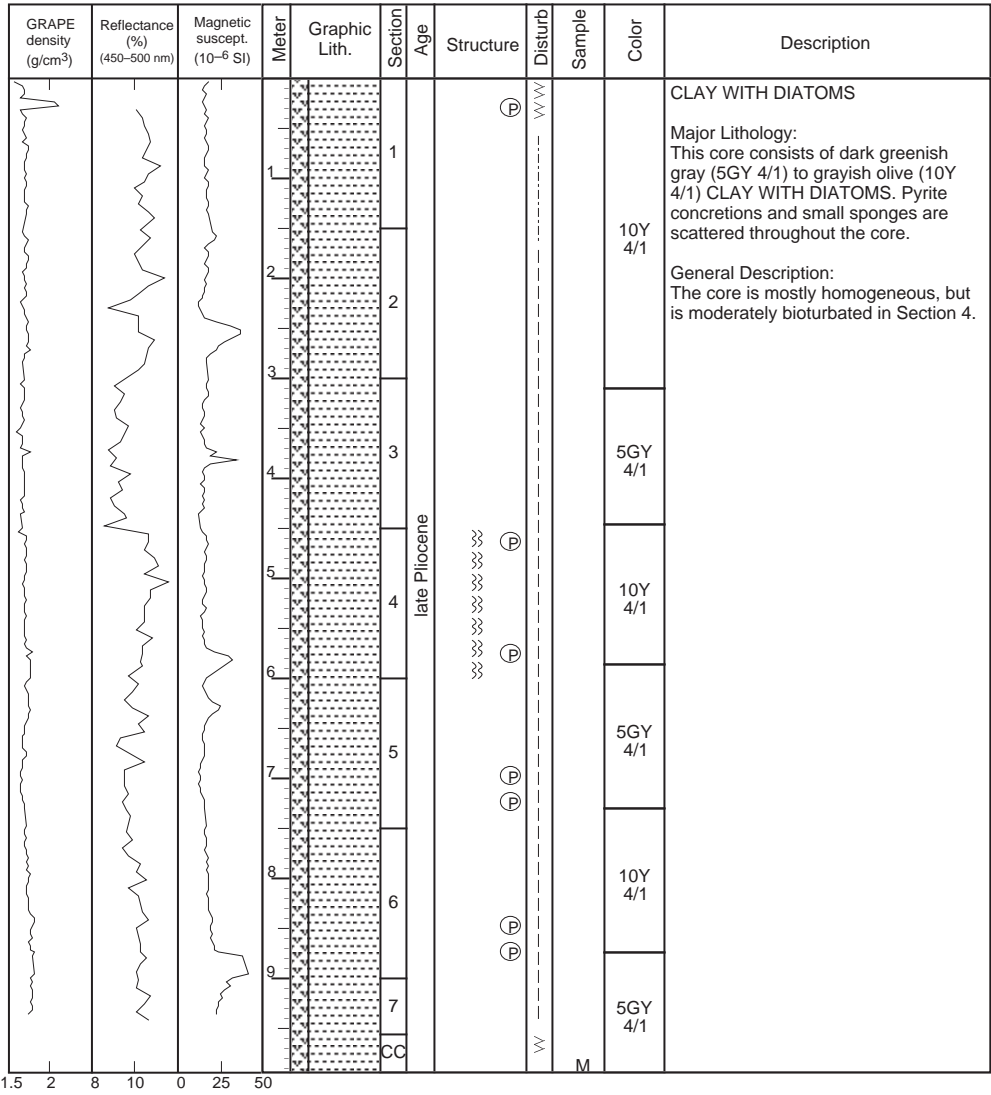


SITE 1020 HOLE D CORE 16H CORED 137.2 - 146.7 mbsf



SITE 1020 HOLE D CORE 17H

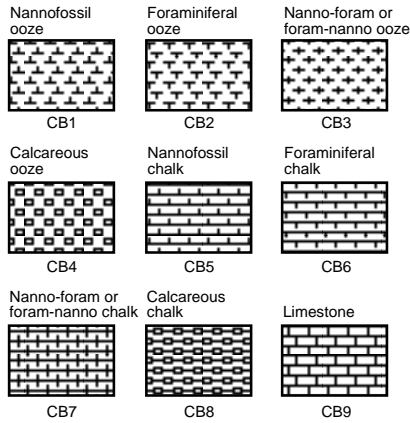
CORED 146.7 - 156.2 mbsf



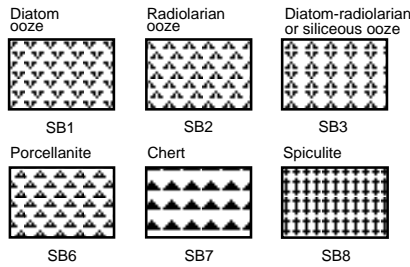
Key to symbols used in the “Graphic Lithology” column on the core description sheets.

Biogenic pelagic sediments

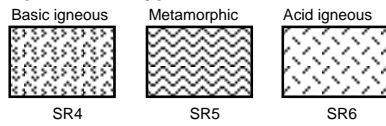
Calcareous



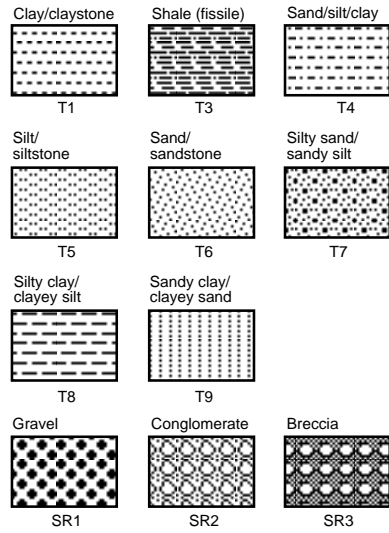
Siliceous



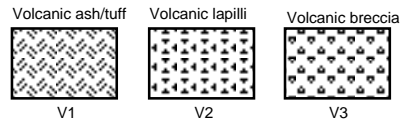
Special rock types



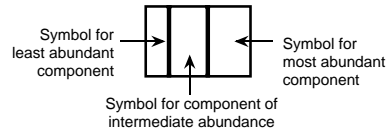
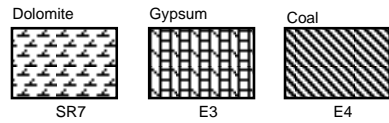
Siliciclastic sediments



Volcaniclastic sediments



Chemical and other sediments



Key to symbols used in the “Structures” column on the core description sheets.

Drilling disturbance symbols	Sedimentary structures cont.	
Soft sediments		
- - - - -		Slightly disturbed
- · - · - · -		Moderately disturbed
~ ~ ~ ~ ~		Highly disturbed
o o o o o		Soupy
Hard sediments		
/ / / / /		Slightly fractured
+ + + + +		Moderately fractured
~ ~ ~ ~ ~		Highly fragmented
x x x x x		Drilling breccia
Sedimentary structures		
>		Burrows, rare (<30% surface area)
>>		Burrows, common (30%–60% surface area)
>>>		Burrows, abundant (>60% surface area)
>>>		Discrete <i>Zoophycos</i> trace fossil
@		Discrete <i>Chondrites</i> trace fossil
@		<i>Sagarites</i> sponge
@		Gastropods
@		Other bivalves
@		Shell fragments
@		Wood fragments
@		Fish debris
↑ F		Fining-upward sequence
↑		Interval over which primary sedimentary structure occur
		Planar laminae
/ / / / /		Wedge-planar laminae/beds
• • •		Graded bedding (normal)
• • •		Graded bedding (reversed)
—		Sharp contact
- - -		Gradational contact
~ ~ ~		Scoured, sharp contact
~ ~ ~		Scoured contact with graded bed
■		Thick color bands (sharp contact)
■		Thick color bands (gradational contact)
■		Medium color bands (sharp contact)
■		Medium color bands (gradational contact)
■		Thin color bands (sharp contact)
■		Thin color bands (gradational contact)
		Laminations (mm scale)
■		Individual thick color band
■		Individual medium color band
■		Individual thin color band
—		Individual lamination
~ ~ ~		Wavy lamination
/ / /		Cross laminae
/ / /		Cross stratification
/ / /		Cross bedding
~ ~ ~		Convoluted/contorted bedding
~ ~ ~		Flaser bedding
△		Graded interval, normal
<		Veins
@		Water escape structure
∩		Scour
◇		Isolated pebbles/cobbles
◆		Isolated mud clasts
~		Slump blocks or slump folds
~		Contorted slump
X		Probable compaction fracture
/ / /		Microfault (normal)
/ / /		Microfault (thrust)
/ / /		Macrofault
/ / /		Fracture
X X X		Totally fractured
~		Vein structures
~		Color mottles
~		Dolomite nodule/concretion
D		Disseminated dolomite
(P)		Pyrite nodule/concretion
P		Disseminated pyrite
(G)		Glauconite
●		Concretions/nodules
(Ba)		Barite nodule/concretion
Ba		Disseminated barite
(Ca)		Calcite nodule/concretion
(C)		Carbonate nodule/concretion
(Ch)		Chert nodule/concretion
A•		Ash/pumice pods
-A		Ash layer